

Intel® IoT RFP Ready Kit Solutions Playbook



Click here to begin

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Purpose

RFP Ready Kit Solutions Playbook Purpose



This is a self-service playbook for Intel® IoT RFP Ready Kits, designed to inform System Integrators of the available IoT solutions. This playbook offers a one-page overview of each solution along with links to additional materials to best equip System Integrators in the market.

If you have any questions regarding the solutions in this playbook, contact rfp.ready.kits@intel.com.



Instructions for use

- The Intel® RFP Ready Kits Solutions Playbook is designed for simple navigation:
 - Click the arrow below to start on the RFP Ready Kit Overview page.
 - Next, you can access the latest version updates on the <u>Playbook Updates page</u>.
 - From there, click the () button to access the <u>IoT RFP Ready Kit Home Page</u>. Select a desired vertical by clicking its image. This selection gives you access to the individual IoT solution overviews under the vertical.
 - To go back and choose a different solution, click the vertical's image at the top of the page.
 - At any time, you can click the () button in the top right to navigate back to the IoT RFP Ready Kit Home Page.

Disclaimers

See what's new

Playbook Updates

Each month, the Intel® IoT RFP Ready Kit Solutions Playbook is updated to reflect the most accurate and current information available. Updates include new IoT solution overview pages as well as any updated information for existing solutions.

Below are the latest solution updates



New solutions

- Tukuoro Voice Platform Enablement Kit
- Reliant Edge Platform
- AOPEN Digital Safety Solutions

Existing solutions

Purpose

Introduction

Respond Rapidly with Intel® IoT RFP Ready Kits

Intel® IoT Request for Proposal (RFP) Ready Kits combine Intel-powered, commercially hardened hardware, software, and support to solve specific customer needs. Intel® IoT RFP Ready Kits are purpose built to optimize IoT deployment.



Pre-Integrated and Proven

- All-in-One Hardware, Software, SDKs, APIs, Demos, and Instructions
- 1st phase Deployed and Proven in a Customer Environment
- Verified Availability, Distribution, Pricing, and Support



Broadly Compatible

- Customizable and Ultra-Compatible
 APIs and Components
- Potential for Expanded
 Integration with Cloud Platforms
 and Value-Added Services



Offering Benefits for

- Equipment and Tech Providers (ISVs, ODMs, OEMs)
- Cloud Service Providers (CSPs like MS, AWS, GCP)
- Solution Integrators (Global or Regional)

See what's new

Home page

Choose Your Navigation Path

Explore three ways to view RFP Ready Kit Solutions in this playbook

See Kits by Vertical

See Kits by **Use Case**

See Kits Listed Alphabetically

Solution Playbook pages are designed so users can quickly return to navigation slides. You are more likely to find similar solutions by exploring specific verticals and use cases.

By clicking "See solutions listed alphabetically," you will be taken to the all up list of RRK Solutions sorted A-Z.

If at any point you want to return to this slide – you can click the () slides



) icon in the top-left corner of most

Introduction

Intel® IoT RFP Ready Kit Verticals

Click the vertical to learn more about what solutions apply to it

Agriculture

Health & Life Sciences

Retail

Banking/FSI

Hospitality (Hotels and Restaurants)

Transportation

Education

Manufacturing

Other

Energy

Government

Navigation Paths

Intel® IoT RFP Ready Kit Use Cases

Click the use case to learn more about what solutions apply to it

Asset & Operations Optimization

Human Wellness Monitoring

Product Inspection

Control Optimization & Autonomy

Interactive Media

Situational Monitoring

Energy Monitoring & Management

Logistics & Tracking

Other (no kits currently)

Environment Monitoring

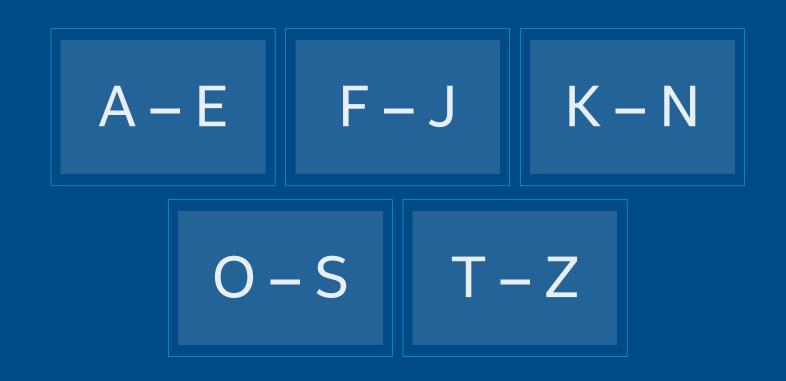
Machine Condition

Monitoring

Navigation Paths

Click the Group to See Lists of Solutions Alphabetically

Solutions alphabetized by **company name** rather than solution name



Navigation Paths

Retail (1 of 2)



Click the solutions to learn more about them

Asset & Operations Optimization

- AAEON Smart Vending Kit
- AAEON Up Squared RoboMaker Developer Kit
- ADLINK Edge[™] Smart Pallet
- AOPEN Solutions Smart Scale m-intelligence
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Blue Line Technology Retail Glance Safety and Security Kit
- congatec AG Realtime Workload Consolidation
 Starter Set
- Honeywell MAXPRO VMS and MAXPRO NVR
- meldCX Cloud Console
- Nexcom Smart Self-Checkout Solution
- Reliant Edge Platform
- RFRain RFR-IMS-SMART
- Super Micro Edge Gateway Management Solution
- SkyLab Multi-Access Edge Computing (MEC)
- tinyGO AI Edge Module Kit
- Tukuoro Voice Platform Enablement Kit

Interactive Media

- AAEON Smart Vending Kit
- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- ARBOR Retail & GOT Solution
- Avalue Interactive Digital Signage
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- ECS ACE+LIVA Q2-Content Management Solution
- JWIPC Smart Retail & Vending Kit
- Logitech Room Solution
- Nexcom Smart Self-Checkout Solution
- Seneca and Navori Digital Signage Bundle
- Blue Line Technology Retail Glance Safety and Security Kit

Situational Monitoring

- AAEON Up Squared RoboMaker Developer Kit
- AAEON UP Xtreme Edge Compute Enabling Kit
- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- AOPEN Solutions Smart Scale m-intelligence
- ASUS Intelligent Edge Solution for Smart Retail
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- BOE New Retail Vending Machine Suite
- CrowdOptic Intersect
- Gorilla in-store analytics, Powered by BCDVideo
- Gorilla IVAR Analytics Appliance, Powered by BCDVideo (Basic/Premium)
- Honeywell MAXPRO VMS and MAXPRO NVR
- <u>IOTECH open IoT Edge platform</u>
- MEGH Computing Video Analytics Solution
- ReadSense FX smart camera module
- Seneca xConnect Remote Management Platform
- <u>UP Squared AI Vision Development Kit</u>
- UP AIM2 Retail Suite
- Yanzhi Ali LinkVisual Nbox
- Blue Line Technology Retail Glance Safety and Security Kit
- SkyLab Multi-Access Edge Computing (MEC)
- tinyGO AI Edge Module Kit
- EverFocus Soter64 Server System for AloT

Retail (2 of 2)



Click the solutions to learn more about them

Product Inspection

- AAEON Smart Vending Kit
- AAEON Up Squared RoboMaker Developer Kit
- AOPEN Solutions Smart Scale m-intelligence
- DEEPSIGHT YODA-100
- MEGH Computing Video Analytics Solution
- RFRain RFR-IMS-SMART

Control Optimization & Autonomy

- AAEON Smart Vending Kit
- SkyLab Multi-Access Edge Computing (MEC)
- RFRain RFR-IMS-SMART

Other

- AOPEN Digital Safety Solutions
- RFRain RFR-IMS-SMART
- EverFocus Soter64 Server System for AloT

Logistics & Tracking

- AAEON Smart Vending Kit
- ARBOR Retail & GOT Solution
- ASUS Intelligent Edge Solution for Smart Retail
- AtlasRFIDstore Intel RSP h3000 integrated RFID reader development kit
- Avalue Interactive Digital Signage
- FranPOS
- Honeywell MAXPRO VMS and MAXPRO NVR
- IOTECH open IoT Edge platform
- JWIPC Smart Retail & Vending Kit
- ReadSense FX smart camera module
- Shuttle Computer Access Control to POS
- UP AIM2 Retail Suite
- Volteo Inventory and Asset Management Via RFID
- QNAP Systems QuCPE IoT Solution
- RFRain RFR-IMS-SMART

Machine Condition Monitoring

- AAEON Smart Vending Kit
- ARBOR Retail & GOT Solution
- SkyLab Multi-Access Edge Computing (MEC)

Hospitality (Hotels/Restaurants)



Click the solutions to learn more about them

Asset & Operations Optimization

- AAEON Smart Vending Kit
- AAEON Up Squared RoboMaker Developer Kit
- AOPEN Solutions Smart Scale m-intelligence
- <u>ADLINK Edge[™] Smart Pallet</u>
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Blue Line Technology Retail Glance Safety and Security Kit
- SkyLab Multi-Access Edge Computing (MEC)
- RFRain RFR-IMS-SMART

Machine Condition Monitoring

- AAEON Smart Vending Kit
- SkyLab Multi-Access Edge Computing (MEC)

Control Optimization & Autonomy

- AAEON Smart Vending Kit
- SkyLab Multi-Access Edge Computing (MEC)
- RFRain RFR-IMS-SMART

Situational Monitoring

- AAEON Up Squared RoboMaker Developer Kit
- AOPEN Solutions Smart Scale m-intelligence
- ADLINK Edge[™] Smart Pallet
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Blue Line Technology Retail Glance Safety and Security Kit
- SkyLab Multi-Access Edge Computing (MEC)
- EverFocus Soter64 Server System for AloT

Product Inspection

- AAEON Smart Vending Kit
- AAEON Up Squared RoboMaker Developer Kit
- AOPEN Solutions Smart Scale m-intelligence
- RFRain RFR-IMS-SMART

Logistics & Tracking

- AAEON Smart Vending Kit
- RFRain RFR-IMS-SMART

Interactive Media

- AAEON Smart Vending Kit
- ADLINK Edge™ Smart Pallet
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Blue Line Technology Retail Glance Safety and Security Kit

- RFRain RFR-IMS-SMART
- EverFocus Soter64 Server System for AloT

Education



Click the solutions to learn more about them

Asset & Operations Optimization

- ADLINK Edge™ Smart Pallet
- ECS Smart Classroom
- IEI TANK AIoT Development Kit
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Nexcom MiniBOT Educational Robot Kit
- Seneca Panopto Certified video Capture appliance
- Blue Line Technology Retail Glance Safety and Security Kit
- RFRain RFR-IMS-SMART

Interactive Media

- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi AI at the Edge Kit
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- ECS Smart Classroom
- Blue Line Technology Retail Glance Safety and Security Kit

Situational Monitoring

- ADLINK Edge™ Smart Pallet
- Agent Vi innoVi AI at the Edge Kit
- ASUS Intelligent Edge Solution for Smart Retail
- IBASE AI Education Platform
- IEI TANK AIoT Development Kit
- Nexcom MiniBOT Educational Robot Kit
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Seneca Panopto Certified video Capture appliance
- Blue Line Technology Retail Glance Safety and Security Kit
- EverFocus Soter64 Server System for AloT
- Herta BioAccess

Logistics & Tracking

- ASUS Intelligent Edge Solution for Smart Retail
- IBASE AI Education Platform
- RFRain RFR-IMS-SMART

Control Optimization & Autonomy

- Herta BioAccess
- Nexcom MiniBOT Educational Robot Kit
- RFRain RFR-IMS-SMART

Product Inspection

RFRain RFR-IMS-SMART

- RFRain RFR-IMS-SMART
- EverFocus Soter64 Server System for AloT

Manufacturing (1 of 2)

Click the solutions to learn more about them

Asset & Operations Optimization

- ADLINK Al-enabled Machine Vision Kit
- ADLINK Edge Smart Cameras with FogHorn Edge Analytics
- ADLINK Edge™ Smart Pallet
- ADLINK MCM-100
- ADLINK ROS 2.0 development platform
- Advantech Equipment Connectivity Data Gateway
- Advantech Intelligent Platform with Azure IoT Edge
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- congatec AG Realtime Workload Consolidation Starter Set
- Episensor Energy Management
- Honeywell MAXPRO VMS and MAXPRO NVR
- IEI TANK AIoT Development Kit
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nebbiolo Industrial Edge Insights
- Siemens AG MindSphere Edge to Cloud PaaS
- TTTech Real-time Machine Data Solution
- Vecow Smart Factory Solution (SFS)
- SkyLab Multi-Access Edge Computing (MEC)
- RFRain RFR-IMS-SMART

Logistics & Tracking

- Advantech Equipment Connectivity Data Gateway
- Advantech Intelligent Platform with Azure IoT Edge
- Future Robot Tech's Smart Camera RVS-2100
- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- Kontron TSN Real Time ETH Switch Solution
- Lanner SilosBreaker Edge Security Kit
- Roseek Industrial Machine Vision Smart Camera Development Kit
- Roseek Smart Camera
- Softdel Systems Edifice Edge Platform
- Shuttle Computer Access Control to POS
- QuEST ThirdEye Vision Analytics Platform on Intel® Distribution of OpenVINO™ toolkit
- Vecow Smart Factory Solution (SFS)
- RFRain RFR-IMS-SMART
- ADLINK Edge Smart Cameras with FogHorn Edge Analytics

Energy Monitoring & Management

- Episensor Energy Management
- Moxa Oil & Gas Drilling Monitoring solution
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nebbiolo Industrial Edge Insights
- TTTech Real-time Machine Data Solution
- Softdel Systems Edifice Edge Platform
- Stratus Technologies ZTC Edge Solution

Interactive Media

- ADLINK Edge™ Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- Nebbiolo Industrial Edge Insights
- TTTech Real-time Machine Data Solution
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit

Environment Monitoring

- ADLINK Edge Smart Gateways with FogHorn Edge Analytics
- IPG Gearbox
- Nebbiolo Industrial Edge Insights

Manufacturing (2 of 2)



Click the solutions to learn more about them

Product Inspection

- ADLINK Smart Camera
- Advantech UTX-3117 with Alleantia I4.0 Plug & Play Solutions
- ASUSTeK Computer Inc Al Machine Vision AOI
- JWIPC Al Ready Vision kit for Smart Manufacturing
- Nebbiolo Industrial Edge Insights
- RFRain RFR-IMS-SMART

Machine Condition Monitoring

- ADLINK MCM-100
- ADLINK Smart Camera
- Advantech UTX-3117 with Alleantia I4.0 Plug & Play Solutions
- Blutech Machinelink IIoT Solution
- Episensor Energy Management
- JWIPC AI Ready Vision kit for Smart Manufacturing
- Macnica SENSPIDER
- Nebbiolo Industrial Edge Insights
- Softdel Systems Edifice Edge Platform
- TTTech Real-time Machine Data Solution
- SkyLab Multi-Access Edge Computing (MEC)

- Vecow VHub AI Developer
- ZEDEDA Edge Al & Computer Vision Acceleration Kit

Situational Monitoring

- ADLINK AI-enabled Machine Vision Kit
- ADLINK Edge™ Smart Pallet
- Advantech Equipment Connectivity Data Gateway
- Agent Vi innoVi AI at the Edge Kit
- Blutech Machinelink IIoT Solution
- Future Robot Tech's Smart Camera RVS-2100
- Honeywell MAXPRO VMS and MAXPRO NVR
- IEI TANK AloT Development Kit
- IPG Gearbox
- NCTech Imaging iSTAR Pulsar+ Mobile 360
 Data Capture Solution
- QuEST ThirdEye Vision Analytics Platform on Intel® Distribution of OpenVINO™ toolkit
- Roseek Industrial Machine Vision Smart Camera Development Kit
- Roseek Smart Camera
- Vecow VHub Al Developer
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit

- Seneca xConnect Remote Management Platform
- SkyLab Multi-Access Edge Computing (MEC)
- ADLINK Edge Smart Cameras with FogHorn Edge Analytics

Control Optimization & Autonomy

- ADLINK Edge Smart Gateways with FogHorn Edge Analytics
- Advantech UTX-3117 with Alleantia I4.0 Plug & Play Solutions
- Exor Multi Protocol IIoT Gateway with Cloud Connectivity
- LIPs Path Planning (for Automated Plasma Spray System)
- Nexcom Robot PDM
- Nexcom Robot with Al Vision kit
- Vecow Smart Factory Solution (SFS)
- SkyLab Multi-Access Edge Computing (MEC)
- RFRain RFR-IMS-SMART

Other

RFRain RFR-IMS-SMART

Energy



Click the solutions to learn more about them

Asset & Operations Optimization

- ADLINK Edge[™] Smart Pallet
- Honeywell MAXPRO VMS and MAXPRO NVR
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nebbiolo Industrial Edge Insights
- SkyLab Transport Accelerator (STA)
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- RFRain RFR-IMS-SMART

Situational Monitoring

- ADLINK Edge[™] Smart Pallet
- IPG Gearbox
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Herta BioAccess

Machine Condition Monitoring

- Axiomtek Solar Energy Gateway Solution
- Nebbiolo Industrial Edge Insights

Energy Monitoring & Management

- Axiomtek Solar Energy Gateway Solution
- IP3 Smart Lighting
- IP3 Intelligent Technology Smart Energy IoT Kit
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Kalkitech LV Substation
- Nebbiolo Industrial Edge Insights
- Stratus Technologies ZTC Edge Solution

Interactive Media

- ADLINK Edge[™] Smart Pallet
- Axiomtek Solar Energy Gateway Solution
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Nebbiolo Industrial Edge Insights

Product Inspection

- Nebbiolo Industrial Edge Insights
- RFRain RFR-IMS-SMART

Environment Monitoring

- IPG Gearbox
- Kalkitech LV Substation
- Nebbiolo Industrial Edge Insights

Logistics & Tracking

- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- SkyLab Transport Accelerator (STA)
- RFRain RFR-IMS-SMART

Control Optimization & Autonomy

- Herta BioAccess
- SkyLab Transport Accelerator (STA)

Other

RFRain RFR-IMS-SMART

Health & Life Sciences



Click the solutions to learn more about them

Situational Monitoring

- AOPEN Solutions Smart Scale m-intelligence
- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- Mivatek Care Solution
- Herta BioAccess

Machine Condition Monitoring

- Mivatek Care Solution
- GPC Systems Freight, Highways, & WoundCare Measure

Control Optimization & Autonomy

- Herta BioAccess
- Mivatek Care Solution
- RFRain RFR-IMS-SMART

Energy Monitoring & Management

Mivatek Care Solution

Human Wellness Monitoring

- Avalue Interactive Smart Shelf
- Avalue Medix Care Solution
- Mivatek Care Solution
- GPC Systems Freight, Highways, & WoundCare Measure

Asset & Operations Optimization

- AOPEN Solutions Smart Scale m-intelligence
- Avalue Interactive Smart Shelf
- Avalue Medix Care Solution
- Honeywell MAXPRO VMS and MAXPRO NVR
- RFRain RFR-IMS-SMART

Product Inspection

- AOPEN Solutions Smart Scale m-intelligence
- RFRain RFR-IMS-SMART

Logistics & Tracking

- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- RFRain RFR-IMS-SMART
- GPC Systems Freight, Highways, & WoundCare Measure

Environment Monitoring

IPG Gearbox

Other

RFRain RFR-IMS-SMART

Government



Click the solutions to learn more about them

Asset & Operations Optimization

- ADLINK Edge[™] Smart Pallet
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Vehant TrafficMon® (Traffic Monitoring Solution)
- Blue Line Technology Retail Glance Safety and Security Kit
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- SkyLab Transport Accelerator (STA)

Logistics & Tracking

- IPG Gearbox
- Plat'Home Open Blocks VX2
- ReadSense FX smart camera module
- Softdel Systems Edifice Edge Platform
- SkyLab Transport Accelerator (STA)
- GPC Systems Freight, Highways, & WoundCare Measure

Energy Monitoring & Management

- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Plat'Home Open Blocks VX2
- Softdel Systems Edifice Edge Platform

Environment Monitoring

- Axiomtek AMS Starter Kit with Modbus for Environmental Signal Monitoring
- IPG Gearbox
- UP IQRF IoT Starter Kit
- Vehant TrafficMon® (Traffic Monitoring Solution)

Situational Monitoring

- ADLINK Edge™ Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- BOE New Retail Vending Machine Suite
- CrowdOptic Intersect
- Gorilla IVAR Analytics Appliance, Powered by BCDVideo (Basic/Premium)
- Herta BioAccess
- IPG Gearbox
- NCTech Imaging iSTAR Pulsar+ Mobile 360
 Data Capture Solution
- ReadSense FX smart camera module
- Seneca xConnect Remote Management Platform
- Vehant TrafficMon® (Traffic Monitoring Solution)
- Yanzhi Ali LinkVisual Nbox
- EverFocus Soter64 Server System for AloT

Interactive Media

- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- ECS ACE+LIVA Q2-Content Management Solution
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Blue Line Technology Retail Glance Safety and Security Kit

Machine Condition Monitoring

- Softdel Systems Edifice Edge Platform
- GPC Systems Freight, Highways, & WoundCare Measure

Control Optimization & Autonomy

- Herta BioAccess
- SkyLab Transport Accelerator (STA)

Health & Human Wellness Monitoring

- Plat'Home Open Blocks VX2
- GPC Systems Freight, Highways, & WoundCare Measure

Other

EverFocus Soter64 Server System for AloT

Back to all verticals





Click the solutions to learn more about them

Transportation (1 of 2)

Asset & Operations Optimization

- ADLINK Edge[™] Smart Pallet
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Honeywell MAXPRO VMS and MAXPRO NVR
- IEI TANK Ruggedized Surveillance Solution
- IEI IVS-300-ULT3-QGW
- KONTRON LoRa Connected Devices
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- SYSTECH IntelliTrac S1
- Vehant TrafficMon® (Traffic Monitoring Solution)
- SkyLab Transport Accelerator (STA)
- RFRain RFR-IMS-SMART

Situational Monitoring

- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi AI at the Edge Kit
- ASUS Intelligent Edge Solution for Smart Retail
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Honeywell MAXPRO VMS and MAXPRO NVR
- IEI TANK Ruggedized Surveillance Solution
- IPG Gearbox
- KONTRON LoRa Connected Devices
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- ReadSense FX smart camera module
- Roseek Intelligent Transportation System Smart Camera Development Kit
- SYSTECH IntelliTrac S1
- Vehant TrafficMon® (Traffic Monitoring Solution)
- EverFocus Soter64 Server System for AloT

Logistics & Tracking

- ASUS Intelligent Edge Solution for Smart Retail
- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- KONTRON LoRa Connected Devices
- Kontron TSN Real Time ETH Switch Solution
- ReadSense FX smart camera module
- SYSTECH IntelliTrac S1
- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- SkyLab Transport Accelerator (STA)
- RFRain RFR-IMS-SMART
- GPC Systems Freight, Highways, & WoundCare Measure

Transportation (2 of 2)



Click the solutions to learn more about them

Control Optimization & Autonomy

- ADLINK ROS2 Autonomous Mobile Robot Controller ROScube
- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- SkyLab Transport Accelerator (STA)
- RFRain RFR-IMS-SMART

Machine Condition Monitoring

- KONTRON LoRa Connected Devices
- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- GPC Systems Freight, Highways, & WoundCare Measure

Interactive Media

- ADLINK Edge™ Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit

Environment Monitoring

- IPG Gearbox
- Vehant TrafficMon® (Traffic Monitoring Solution)

Human Wellness Monitoring

 GPC Systems Freight, Highways, & WoundCare Measure

Product Inspection

- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- RFRain RFR-IMS-SMART

Energy Monitoring & Management

 NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution

- RFRain RFR-IMS-SMART
- EverFocus Soter64 Server System for AloT

Agriculture



Click the solutions to learn more about them

Asset & Operations Optimization

- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nexcom Intelligent Farming

Situational Monitoring

- Herta BioAccess
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nexcom Intelligent Farming

Control Optimization & Autonomy

Herta BioAccess

Interactive Media

Nexcom Intelligent Farming

Energy Monitoring & Management

- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nexcom Intelligent Farming

Environment Monitoring

- DataSoft Remote Soil Monitoring
- Nexcom Intelligent Farming

Banking/FSI

Click the solutions to learn more about them

Asset & Operations Optimization

- ADLINK Edge[™] Smart Pallet
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit

Situational Monitoring

- AAEON UP Xtreme Edge Compute Enabling Kit
- ADLINK Edge[™] Smart Pallet
- Herta BioAccess

Interactive Media

■ ADLINK Edge[™] Smart Pallet

Control Optimization & Autonomy

■ Herta BioAccess



Other



Click the solutions to learn more about them

Asset & Operations Optimization

- ADLINK Edge[™] Smart Pallet
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Honeywell MAXPRO VMS and MAXPRO NVR
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Plat'Home Open Blocks VX2
- Softdel Systems Edifice Edge Platform
- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- Blue Line Technology Retail Glance Safety and Security Kit
- RFRain RFR-IMS-SMART

Interactive Media

- ADLINK Edge™ Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Blue Line Technology Retail Glance Safety and Security Kit

Machine Condition Monitoring

 Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics

Logistics & Tracking

- Honeywell MAXPRO VMS and MAXPRO NVR
- Plat'Home Open Blocks VX2
- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- RFRain RFR-IMS-SMART

Product Inspection

- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- <u>RFRain RFR-IMS-SMART</u>

Situational Monitoring

- AAEON UP Xtreme Edge Compute Enabling Kit
- ADLINK Edge[™] Smart Pallet
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit
- Honeywell MAXPRO VMS and MAXPRO NVR
- Herta BioAccess
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Plat'Home Open Blocks VX2
- Blue Line Technology Retail Glance Safety and Security Kit
- EverFocus Soter64 Server System for AloT

Control Optimization & Autonomy

- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- RFRain RFR-IMS-SMART
- Herta BioAccess

Environment Monitoring

UP IQRF IoT Starter Kit

Energy Monitoring & Management

- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Plat'Home Open Blocks VX2

Human Wellness Monitoring

■ Plat'Home Open Blocks VX2

Other

EverFocus Soter64 Server System for AloT

Machine Condition Monitoring



Click the solutions to learn more about them

Retail

- AAEON Smart Vending Kit
- ARBOR Retail & GOT Solution
- SkyLab Multi-Access Edge Computing (MEC)

Manufacturing

- ADLINK MCM-100
- ADLINK Smart Camera
- Advantech UTX-3117 with Alleantia I4.0 Plug & Play Solutions
- Blutech Machinelink IIoT Solution
- Episensor Energy Management
- JWIPC Al Ready Vision kit for Smart Manufacturing
- Macnica SENSPIDER
- Nebbiolo Industrial Edge Insights
- Softdel Systems Edifice Edge Platform
- TTTech Real-time Machine Data Solution
- SkyLab Multi-Access Edge Computing (MEC)
- Vecow VHub AI Developer
- ZEDEDA Edge AI & Computer Vision Acceleration Kit

Energy

- Axiomtek Solar Energy Gateway Solution
- Nebbiolo Industrial Edge Insights

Transportation

- GPC Systems Freight, Highways, & WoundCare Measure
- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics

Health & Life Sciences

- GPC Systems Freight, Highways, & WoundCare Measure
- Mivatek Care Solution

Hospitality

- AAEON Smart Vending Kit
- Mivatek Care Solution
- SkyLab Multi-Access Edge Computing (MEC)

Government

- GPC Systems Freight, Highways, & WoundCare Measure
- Softdel Systems Edifice Edge Platform

- Softdel Systems Edifice Edge Platform
- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics

Back to all use cases





Click the solutions to learn more about them

Logistics & Tracking (1 of 2)

Health & Life Sciences

- GPC Systems Freight, Highways, & WoundCare Measure
- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- RFRain RFR-IMS-SMART

Education

- ASUS Intelligent Edge Solution for Smart Retail
- IBASE AI Education Platform
- RFRain RFR-IMS-SMART

Hospitality

- AAEON Smart Vending Kit
- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- RFRain RFR-IMS-SMART

Government

- GPC Systems Freight, Highways, & WoundCare Measure
- IPG Gearbox
- Plat'Home Open Blocks VX2
- ReadSense FX smart camera module
- Softdel Systems Edifice Edge Platform
- SkyLab Transport Accelerator (STA)

Energy

- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- SkyLab Transport Accelerator (STA)
- RFRain RFR-IMS-SMART

Other

- Honeywell MAXPRO VMS and MAXPRO NVR
- Plat'Home Open Blocks VX2
- Softdel Systems Edifice Edge Platform
- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- RFRain RFR-IMS-SMART

Transportation

 GPC Systems Freight, Highways, & WoundCare Measure

Logistics & Tracking (2 of 2)

Back to all use cases

See more Logistics & Tracking



Click the solutions to learn more about them

Retail

- AAEON Smart Vending Kit
- ARBOR Retail & GOT Solution
- ASUS Intelligent Edge Solution for Smart Retail
- Atlas RFID Store Intel RSP H3000 Integrated RFID reader development kit
- Avalue Interactive Digital Signage
- JWIPC Smart Retail & Vending Kit
- Honeywell MAXPRO VMS and MAXPRO NVR
- IOTECH open IoT Edge platform
- ReadSense FX smart camera module
- Shuttle Computer Access Control to POS
- UP AIM2 Retail Suite
- Volteo Inventory and Asset Management Via RFID
- QNAP Systems QuCPE IoT Solution
- RFRain RFR-IMS-SMART

Transportation

- ASUS Intelligent Edge Solution for Smart Retail
- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- KONTRON LoRa connected Devices
- Kontron TSN Real Time ETH Switch Solution
- ReadSense FX smart camera module
- SkyLab Transport Accelerator (STA)
- SYSTECH IntelliTrac S1
- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- RFRain RFR-IMS-SMART

Manufacturing

- ADLINK Edge Smart Cameras with FogHorn Edge Analytics
- Advantech Intelligent Platform with Azure IoT Edge
- Future Robot Tech's Smart Camera RVS-2100
- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- Kontron TSN Real Time ETH Switch Solution
- Lanner SilosBreaker Edge Security Kit
- QuEST ThirdEye Vision Analytics Platform on Intel® Distribution of OpenVINO™ toolkit
- Roseek Industrial Machine Vision Smart Camera Development Kit
- Roseek Smart Camera
- Shuttle Computer Access Control to POS
- Softdel Systems Edifice Edge Platform
- Vecow Smart Factory Solution (SFS)

Asset & Operations Optimization (1 of 2)



Click the solutions to learn more about them

Education

- ADLINK Edge™ Smart Pallet
- ECS Smart Classroom
- <u>IEI TANK AloT Development Kit</u>
- Seneca Panopto Certified video Capture appliance
- Blue Line Technology Retail Glance Safety and Security Kit
- RFRain RFR-IMS-SMART

Retail

- AAEON Smart Vending Kit
- AAEON Up Squared RoboMaker Developer Kit
- AOPEN Solutions Smart Scale m-intelligence
- ADLINK Edge[™] Smart Pallet
- congatec AG Realtime Workload Consolidation Starter Set
- Honeywell MAXPRO VMS and MAXPRO NVR
- Super Micro Edge Gateway Management Solution
- Blue Line Technology Retail Glance Safety and Security Kit
- meldCX Cloud Console
- Nexcom Smart Self-Checkout Solution
- SkyLab Multi-Access Edge Computing (MEC)
- tinyGO AI Edge Module Kit
- Reliant Edge Platform
- RFRain RFR-IMS-SMART
- Tukuoro Voice Platform Enablement Kit

Manufacturing

- ADLINK Al-enabled Machine Vision Kit
- ADLINK Edge[™] Smart Pallet
- ADLINK Edge Smart Cameras with FogHorn Edge Analytics
- ADLINK MCM-100
- Advantech Equipment Connectivity Data Gateway
- congatec AG Realtime Workload Consolidation Starter Set
- Episensor Energy Management
- IEI TANK AloT Development Kit
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nebbiolo Industrial Edge Insights
- Siemens AG MindSphere Edge to Cloud PaaS
- TTTech Real-time Machine Data Solution
- Advantech Intelligent Platform with Azure IoT Edge
- Honeywell MAXPRO VMS and MAXPRO NVR
- Vecow Smart Factory Solution (SFS)
- SkyLab Multi-Access Edge Computing (MEC)
- RFRain RFR-IMS-SMART

Energy

- ADLINK Edge[™] Smart Pallet
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nebbiolo Industrial Edge Insights
- Honeywell MAXPRO VMS and MAXPRO NVR
- SkyLab Transport Accelerator (STA)
- RFRain RFR-IMS-SMART

Transportation

- ADLINK Edge[™] Smart Pallet
- Honeywell MAXPRO VMS and MAXPRO NVR
- IEI TANK Ruggedized Surveillance Solution
- IEI IVS-300-ULT3-QGW
- KONTRON LoRa connected Devices
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- SYSTECH IntelliTrac S1
- SkyLab Transport Accelerator (STA)
- RFRain RFR-IMS-SMART

Back to all use cases

See more for this use case

Asset & Operations Optimization (2 of 2)



Click the solutions to learn more about them

Health & Life Sciences

- AOPEN Solutions Smart Scale m-intelligence
- Avalue Interactive Smart Shelf
- Avalue Medix Care Solution
- Honeywell MAXPRO VMS and MAXPRO NVR
- RFRain RFR-IMS-SMART

Hospitality

- AAEON Smart Vending Kit
- AAEON Up Squared RoboMaker Developer Kit
- ADLINK Edge™ Smart Pallet
- Honeywell MAXPRO VMS and MAXPRO NVR
- SkyLab Multi-Access Edge Computing (MEC)
- RFRain RFR-IMS-SMART

Banking/FSI

- ADLINK Edge™ Smart Pallet
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit

Government

- ADLINK Edge[™] Smart Pallet
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Vehant TrafficMon® (Traffic Monitoring Solution)
- Blue Line Technology Retail Glance Safety and Security Kit
- SkyLab Transport Accelerator (STA)

Agriculture

- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nexcom Intelligent Farming

Other

- ADLINK Edge[™] Smart Pallet
- Blue Line Technology Retail Glance Safety and Security Kit
- RFRain RFR-IMS-SMART

Back to all use cases

See more for this use case

Interactive Media



Click the solutions to learn more about them

Education

- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- Blue Line Technology Retail Glance Safety and Security Kit
- ECS Smart Classroom

Retail

- AAEON Smart Vending Kit
- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- ARBOR Retail & GOT Solution
- Avalue Interactive Digital Signage
- Blue Line Technology Retail Glance Safety and Security Kit
- ECS ACE+LIVA Q2-Content Management Solution
- JWIPC Smart Retail & Vending Kit
- Logitech Room Solution
- Nexcom Smart Self-Checkout Solution
- Seneca and Navori Digital Signage Bundle

Manufacturing

- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- Nebbiolo Industrial Edge Insights
- TTTech Real-time Machine Data Solution

Energy

- ADLINK Edge™ Smart Pallet
- Agent Vi innoVi AI at the Edge Kit
- Nebbiolo Industrial Edge Insights

Transportation

- ADLINK Edge™ Smart Pallet
- Agent Vi innoVi Al at the Edge Kit

Hospitality

- AAEON Smart Vending Kit
- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi AI at the Edge Kit
- Blue Line Technology Retail Glance Safety and Security Kit

Government

- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- Blue Line Technology Retail Glance Safety and Security Kit
- ECS ACE+LIVA Q2-Content Management Solution

Agriculture

Nexcom Intelligent Farming

Other

- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi AI at the Edge Kit
- Blue Line Technology Retail Glance Safety and Security Kit

Banking/FSI

- <u>ADLINK Edge[™] Smart Pallet</u>
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit

Back to all use cases



See more Situational Monitoring

Situational Monitoring (1 of 2)

Click the solutions to learn more about them

Retail

- AAEON Up Squared RoboMaker Developer Kit
- AAEON UP Xtreme Edge Compute Enabling Kit
- <u>ADLINK Edge[™] Smart Pallet</u>
- Agent Vi innoVi Al at the Edge Kit
- AOPEN Solutions Smart Scale m-intelligence
- ASUS Intelligent Edge Solution for Smart Retail
- CrowdOptic Intersect
- Gorilla in-store analytics, Powered by BCDVideo
- Gorilla IVAR Analytics Appliance, Powered by BCDVideo (Basic/Premium)
- Honeywell MAXPRO VMS and MAXPRO NVR
- <u>IOTECH open IoT Edge platform</u>
- MEGH Computing Video Analytics Solution
- ReadSense FX smart camera module
- Seneca xConnect Remote Management Platform
- UP AIM2 Retail Suite
- UP Squared AI Vision Development Kit
- Yanzhi Ali LinkVisual Nbox
- Blue Line Technology Retail Glance Safety and Security Kit
- SkyLab Multi-Access Edge Computing (MEC)
- tinyGO AI Edge Module Kit
- EverFocus Soter64 Server System for AloT

Manufacturing

- ADLINK AI-enabled Machine Vision Kit
- ADLINK Edge[™] Smart Pallet
- ADLINK Edge Smart Cameras with FogHorn Edge Analytics
- Advantech Equipment Connectivity Data Gateway
- Agent Vi innoVi AI at the Edge Kit
- Blutech Machinelink IIoT Solution
- Future Robot Tech's Smart Camera RVS-2100
- Honeywell MAXPRO VMS and MAXPRO NVR
- IEI TANK AIoT Development Kit
- IPG Gearbox
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- QuEST ThirdEye Vision Analytics Platform on Intel® Distribution of OpenVINO™ toolkit
- Roseek Smart Camera
- Seneca xConnect Remote Management Platform
- SkyLab Multi-Access Edge Computing (MEC)
- Vecow VHub AI Developer

Transportation

- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi AI at the Edge Kit
- ASUS Intelligent Edge Solution for Smart Retail
- Honeywell MAXPRO VMS and MAXPRO NVR
- IEI TANK Ruggedized Surveillance Solution
- IPG Gearbox
- KONTRON LoRa connected Devices
- NCTech Imaging iSTAR Pulsar+ Mobile 360
 Data Capture Solution
- Roseek Industrial Machine Vision Smart Camera Development Kit
- Roseek Intelligent Transportation System Smart Camera Development Kit
- SYSTECH IntelliTrac S1
- ReadSense FX smart camera module
- Vehant TrafficMon® (Traffic Monitoring Solution)
- EverFocus Soter64 Server System for AloT

Back to all use cases

See more Situational Monitoring



Click the solutions to learn more about them

Situational Monitoring (2 of 2)

Education

- ADLINK Edge[™] Smart Pallet
- Agent Vi innoVi Al at the Edge Kit
- ASUS Intelligent Edge Solution for Smart Retail
- Honeywell MAXPRO VMS and MAXPRO NVR
- IBASE AI Education Platform
- IEI TANK AloT Development Kit
- Seneca Panopto Certified video Capture appliance
- Blue Line Technology Retail Glance Safety and Security Kit
- EverFocus Soter64 Server System for AloT

Health & Life Sciences

- Mivatek Care Solution
- AOPEN Solutions Smart Scale m-intelligence
- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox

Energy

- ADLINK Edge[™] Smart Pallet
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- IPG Gearbox
- Agent Vi innoVi Al at the Edge Kit

Hospitality

- ADLINK Edge[™] Smart Pallet
- Mivatek Care Solution
- AOPEN Solutions Smart Scale m-intelligence
- Gorilla IVAR Analytics Appliance, Powered by BCDVideo (Basic/Premium)
- AAEON Up Squared RoboMaker Developer Kit
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Honeywell MAXPRO VMS and MAXPRO NVR
- IPG Gearbox
- Agent Vi innoVi Al at the Edge Kit
- Blue Line Technology Retail Glance Safety and Security Kit
- SkyLab Multi-Access Edge Computing (MEC)
- EverFocus Soter64 Server System for AloT

Agriculture

- Nexcom Intelligent Farming
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution

Banking/FSI

- AAEON UP Xtreme Edge Compute Enabling Kit
- ADLINK Edge[™] Smart Pallet
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit

Government

- ADLINK Edge[™] Smart Pallet
- CrowdOptic Intersect
- ReadSense FX smart camera module
- Seneca xConnect Remote Management Platform
- Gorilla IVAR Analytics Appliance, Powered by BCDVideo (Basic/Premium)
- NCTech Imaging iSTAR Pulsar+ Mobile 360
 Data Capture Solution
- Yanzhi Ali LinkVisual Nbox
- IPG Gearbox
- Vehant TrafficMon® (Traffic Monitoring Solution)
- Blue Line Technology Retail Glance Safety and Security Kit
- EverFocus Soter64 Server System for AloT

- AAEON UP Xtreme Edge Compute Enabling Kit
- ADLINK Edge™ Smart Pallet
- Honeywell MAXPRO VMS and MAXPRO NVR
- Agent Vi innoVi Al at the Edge Kit
- Blue Line Technology Retail Glance Safety and Security Kit
- EverFocus Soter64 Server System for AloT

Energy Monitoring & Management



Click the solutions to learn more about them

Retail

AAEON Smart Vending Kit

Manufacturing

- Episensor Energy Management
- NCTech Imaging iSTAR Pulsar+ Mobile 360
 Data Capture Solution
- Nebbiolo Industrial Edge Insights
- Softdel Systems Edifice Edge Platform
- TTTech Real-time Machine Data Solution
- Stratus Technologies ZTC Edge Solution

Transportation

 NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution

Energy

- Axiomtek Solar Energy Gateway Solution
- IP3 Intelligent Technology Smart Energy IoT Kit
- IP3 Smart Lighting
- Kalkitech LV Substation
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Stratus Technologies ZTC Edge Solution

Education

ECS Smart Classroom

Health & Life Sciences

Mivatek Care Solution

Hospitality

- Mivatek Care Solution
- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution

Government

- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Plat'Home Open Blocks VX2
- Softdel Systems Edifice Edge Platform

Agriculture

- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nexcom Intelligent Farming

- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Plat'Home Open Blocks VX2
- Softdel Systems Edifice Edge Platform

Control Optimization & Autonomy



Click the solutions to learn more about them

Retail

- AAEON Smart Vending Kit
- SkyLab Multi-Access Edge Computing (MEC)
- RFRain RFR-IMS-SMART

Manufacturing

- ADLINK Edge Smart Gateways with FogHorn Edge Analytics
- ADLINK ROS 2.0 development platform
- Advantech UTX-3117 with Alleantia I4.0 Plug & Play Solutions
- Exor Multi Protocol IIoT Gateway with Cloud Connectivity
- LIPs Path Planning (for Automated Plasma Spray System)
- Nebbiolo Industrial Edge Insights
- Nexcom Robot PDM
- Nexcom Robot with Al Vision kit
- Vecow Smart Factory Solution (SFS)
- SkyLab Multi-Access Edge Computing (MEC)
- RFRain RFR-IMS-SMART

Health & Life Sciences

- Mivatek Care Solution
- RFRain RFR-IMS-SMART

Energy

- Nebbiolo Industrial Edge Insights
- SkyLab Transport Accelerator (STA)
- RFRain RFR-IMS-SMART

Transportation

- ADLINK ROS2 Autonomous Mobile Robot Controller ROScube
- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- SkyLab Transport Accelerator (STA)
- RFRain RFR-IMS-SMART

Education

- ECS Smart Classroom
- Nexcom MiniBOT Educational Robot Kit
- RFRain RFR-IMS-SMART

Hospitality

- AAEON Smart Vending Kit
- Mivatek Care Solution
- SkyLab Multi-Access Edge Computing (MEC)
- RFRain RFR-IMS-SMART

Government

- ECS ACE+LIVA Q2-Content Management Solution
- SkyLab Transport Accelerator (STA)

Agriculture

Nexcom Intelligent Farming

- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- RFRain RFR-IMS-SMART

Human Wellness Monitoring



Click the solutions to learn more about them

Health & Life Sciences

- Avalue Interactive Smart Shelf
- Avalue Medix Care Solution
- Mivatek Care Solution
- GPC Systems Freight, Highways, & WoundCare Measure

Transportation

 GPC Systems Freight, Highways, & WoundCare Measure

Hospitality

Mivatek Care Solution

Government

- GPC Systems Freight, Highways, & WoundCare Measure
- Plat'Home Open Blocks VX2

Product Inspection



Click the solutions to learn more about them

Retail

- AAEON Smart Vending Kit
- AAEON Up Squared RoboMaker Developer Kit
- AOPEN Solutions Smart Scale m-intelligence
- DEEPSIGHT YODA-100
- MEGH Computing Video Analytics Solution
- RFRain RFR-IMS-SMART

Manufacturing

- ADLINK Smart Camera
- Advantech UTX-3117 with Alleantia I4.0 Plug & Play Solutions
- ASUSTeK Computer Inc Al Machine Vision AOI
- JWIPC AI Ready Vision kit for Smart Manufacturing
- Nebbiolo Industrial Edge Insights
- QuEST ThirdEye Vision Analytics Platform on Intel® Distribution of OpenVINO™ toolkit
- RFRain RFR-IMS-SMART

Health & Life Sciences

- AOPEN Solutions Smart Scale m-intelligence
- RFRain RFR-IMS-SMART

Energy

- Nebbiolo Industrial Edge Insights
- RFRain RFR-IMS-SMART

Hospitality

- AAEON Smart Vending Kit
- AAEON Up Squared RoboMaker Developer Kit
- AOPEN Solutions Smart Scale m-intelligence
- RFRain RFR-IMS-SMART

Agriculture

Nexcom Intelligent Farming

Other

- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- RFRain RFR-IMS-SMART

Transportation

- Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics
- RFRain RFR-IMS-SMART

Environment Monitoring



Click the solutions to learn more about them

Manufacturing

- ADLINK Edge Smart Gateways with FogHorn Edge Analytics
- IPG Gearbox
- Moxa Oil & Gas Drilling Monitoring solution
- Nebbiolo Industrial Edge Insights

Energy

- IPG Gearbox
- IP3 Smart Lighting
- Kalkitech LV Substation
- Nebbiolo Industrial Edge Insights

Transportation

- IEI IVS-300-ULT3-QGW
- <u>IPG Gearbox</u>

Health & Life Sciences

IPG Gearbox

Hospitality

IPG Gearbox

Government

- Axiomtek AMS Starter Kit with Modbus for Environmental Signal Monitoring
- IPG Gearbox
- UP IQRF IoT Starter Kit

Agriculture

- DataSoft Remote Soil Monitoring
- Nexcom Intelligent Farming

- AOPEN Digital Safety Solutions
- UP IQRF IoT Starter Kit

Other



Click the solutions to learn more about them

Retail

- AAEON UP Xtreme Edge Compute Enabling Kit
- EverFocus Soter64 Server System for AloT

Education

EverFocus Soter64 Server System for AloT

Transportation

EverFocus Soter64 Server System for AloT

Banking/Financial Services

 AAEON UP Xtreme Edge Compute Enabling Kit

Hospitality

EverFocus Soter64 Server System for AloT

Government

EverFocus Soter64 Server System for AloT

Other

- AAEON UP Xtreme Edge Compute Enabling Kit
- EverFocus Soter64 Server System for AloT

Solutions From A-E



Click the solutions to learn more about them

Α

- AAEON Smart Vending Kit
- AAEON UP Squared AI Vision Development Kit
- ADLINK MCM-100
- ADLINK ROS2 autonomous mobile robot controller: ROScube
- ADLINK ROS 2.0 development platform
- ADLINK Smart Camera
- Advantech Equipment Connectivity Data Gateway
- Agent Video Intelligence innoVi AI at the Edge Kit
- Advantech Intelligent Platform with Azure IoT Edge
- Advantech UTX-3117 with Alleantia I4.0 Plug & Play Solutions
- AOPEN Digital Safety Solutions
- AOPEN Solutions Smart Scale (m-intelligence)
- ARBOR Retail & GOT Solution
- ASUS Intelligent Edge Solution for Smart Retail
- Atlas RFID Store Intel RSP H3000 Integrated RFID reader development kit
- Avalue Interactive Digital Signage
- Avalue Interactive Smart Shelf

- Avalue Medix Care Solution
- Axiomtek AMS Starter Kit with Modbus for Environmental Signal Monitoring
- Axiomtek Solar Energy Gateway Solution
- AxxonSoft Axxon Next Video Surveillance and Analytics Kit

B

- BOE New Retail Vending Machine Suite
- Blue Line Technology Retail Glance Safety and Security Kit
- Blutech Machinelink IIoT Solution

CrowdOptic Intersect

DataSoft Remote Soil Monitoring

Е

- ECS ACE+LIVA Q2-Content Management Solution
- ECS Smart Classroom
- Exor Multi Protocol IIoT Gateway with Cloud Connectivity

Solutions From F-J



Click the solutions to learn more about them

F

- FranPOS
- Future Robot Tech's Smart Camera RVS-2100

G

- Gorilla IVAR Analytics Appliance, Powered by BCDVideo (Basic/Premium)
- Gorilla in-store analytics, Powered by BCDVideo

н

Honeywell MAXPRO VMS and MAXPRO NVR

- IBASE AI Education Platform
- IEI IVS-300-ULT3-QGW
- IEI TANK AIoT Development Kit
- IEI TANK Ruggedized Surveillance Solution
- IOTECH open IoT Edge platform
- IP3 Smart Lighting
- IP3 Intelligent Technology Smart Energy IoT Kit
- IPG Gearbox

- JWIPC AI Ready Vision kit for Smart Manufacturing
- JWIPC Smart Retail & Vending Kit

Solutions From K-N



Click the solutions to learn more about them

K

- KONTRON LoRa connected Devices
- Kontron TSN Real Time ETH Switch Solution

1

- Lanner SilosBreaker Edge Security Kit
- LIPs Path Planning (for Automated Plasma Spray System)

M

- Moxa Oil & Gas Drilling Monitoring solution
- Mivatek Care Solution

Ν

- NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution
- Nebbiolo Industrial Edge Insights
- Nexcom Intelligent Farming
- Nexcom MiniBOT Educational Robot Kit
- Nexcom Robot with Al Vision kit
- Nexcom Smart Self-Checkout Solution

Solutions From O-S



Click the solutions to learn more about them

O

(No solutions currently start with O)

Ρ

■ Plat'Home Open Blocks VX2

Q

 QuEST ThirdEye – Vision Analytics Platform on Intel® Distribution of OpenVINO™ toolkit

R

- ReadSense FX smart camera module
- Reliant Edge Platform
- RFRain RFR-IMS-SMART
- Roseek Industrial Machine Vision Smart Camera Development Kit
- Roseek Intelligent Transportation System Smart Camera Development Kit
- Roseek Smart Camera

S

- Seneca and Navori Digital Signage Bundle
- Seneca Panopto Certified Video Capture
- Shuttle Computer Access Control to POS
- Siemens AG MindSphere Edge to Cloud PaaS
- Softdel Systems Edifice Edge Platform
- Super Micro Edge Gateway Management Solution
- SYSTECH IntelliTrac S1

Solutions From T-Z



Click the solutions to learn more about them

Т

- TTTech Real-time Machine Data Solution
- Tukuoro Voice Platform Enablement Kit

U

- UP Aim2Retail Suite
- UP IQRF IoT Starter Kit
- UP Squared AI Vision Development Kit

V

- Vecow Smart Factory Solution (SFS)
- Vehant TrafficMon® (Traffic Monitoring Solution)
- Volteo Inventory and Asset Management Via RFID

X

 Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics

Y

Yanzhi Ali LinkVisual Nbox

Ζ

(No solutions currently start with Z)

AAEON Smart Vending Kit



Kit Overview

A vending machine retrofit kit targeted to upgrade legacy vending machine solutions

- Advanced telemetry solutions and business intelligence
- Rich interactivity & touch display
- Mobile dashboard application
- Modern payment options
- · Remote management

Value Prop

- Provides unique customer experience by supplying product information and new forms of payment options to drive sales
- Promotes low maintenance cost with remote diagnostic management to optimized restocking route

Geo & Purchase Contacts

Availability: Global

Intel contact:

Partner contact:

JasonC@aaeon.com

Relevant Verticals

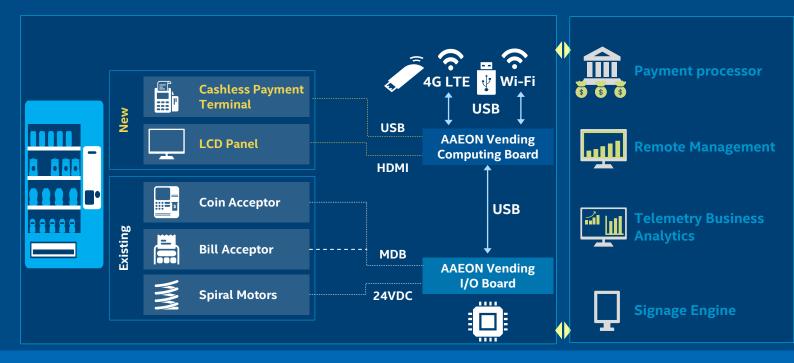
(click to see full list of kits for each vertical)

Retail Hospitality

Relevant Use Cases

(click to see full list of kits for each use case)

Machine Condition Monitoring	Logistics & Tracking	Asset & Operations Optimization
Product Inspection	Control Optimization & Autonomy	Interactive Media



Kit Components

AAEON Smart Vending Development Kit: RW-VEND-**UPG-001 including AAEON** Vending I/O kit, AAEON Vending ■ Linux, Windows Computing kit, and accessories

Cloud Service Provider

- Microsoft Azure, AWS
- **Operating System**

Resources

AAEON kits are described at: For more information visit the following:

Smart Vending website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- User Guide
- Configuration Guide
- API/SDK
- Order here today!

FranPOS



Kit Overview

FranPOS is a cloud Point of Sale platform designed for franchise and multi-site operations to help increase unit economics and sync data in real time.

- Unified POS technology platform
- Master sales reports for all locations

Value Prop

- Promotes customer loyalty by maintaining an up-to-date database to help streamline marketing & customer promotions
- Enables easy inventory management, providing access to real-time sales data allowing for actionable decisions on purchase orders

Geo & Purchase Contacts

Availability: Americas **Intel contact:**

Partner contact:

MKissling@Franpos.com

Relevant Verticals

(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

> Logistics & Tracking







Modern payment





Micro Market

Kit Components

Intel Components

• Intel® Atom™ processor Z3700

Operating System

Android

Solutions



Mobile



KIOSK







Business Intelligence Marketing Customer **Management Booking Multi** Location Ready

Inventory **Management Employee Management**

FranPOS kits are described at:

FranPos Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

Resources

- Kit Introduction
- Order here today!

Plat'Home Open Blocks VX2



Kit Overview

An IoT gateway device and edge node computer able to mediate between various sensors and host networks

- Multi-cloud support
- Flexible and fast connectivity
- Beacon and sensor node communication support
- Open-source OS

Value Prop

- Enables user function across all IoT devices, sensors, and gateway, reducing installation cost and time
- Supports data communication to cloud services across all IoT systems to help improve operational efficiency

Geo & Purchase Contacts

Availability: Japan

Intel contact:

Partner contact:

Sales:

Technical:

Relevant Verticals

(click to see full list of kits for each vertical)

Government

Other

Relevant Use Cases

(click to see full list of kits for each use case)

Logistics & Tracking

Energy Monitoring & Management

Human Wellness Monitoring











Kit Components

Intel Components

■ Intel Atom® processor 500MHz (dual-core)

Operating System Debian GNU/Linux

Plat'Home Hardware

OpenBlocks IoT VX2

Resources

Plat'Home kits are described For more information visit at:

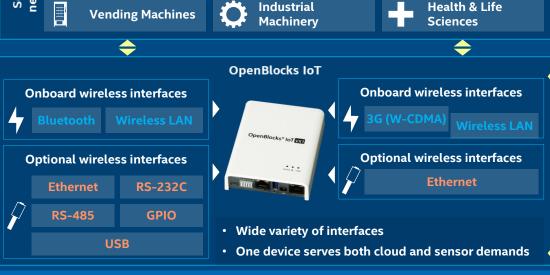
Plat'Home Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

the following:

- Kit Introduction
- User Guide
- Configuration Guide
- ORDER HERE today!



CrowdOptic Intersect



Kit Overview

Provides an intelligent live streaming solution through the real-time analysis and delivery of video, IoT sensor data, and biometrics at the network edge

- Local storage of high-res video and operational data
- Intelligent streaming of compressed content to a central server

Value Prop

- Enables customers to review and address scenarios from any part of their business, allowing them to stay agile and tackle issues if they arise
- Helps customers to analyze data streams in real time, so that they can make sound decisions with reliable analysis

Geo & Purchase Contacts

Availability: APJ, Americas, ANZ, EMEA, PRC, ASEAN

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Government

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

Intersect with ILS Implementation 1 or more CrowdOptic Cameras 4G LTE &/or Wi-Fi Zoom

On-Demand Intelligent Live streams with Encrypted Audio, Biometrics & Analytics

Vehicle w/Slave server (HPE - EL20)

Kit Components

Intel Components

Intel® Core™ Model i5-4300U, Intel® HD Graphics 4400

CrowdOptic Components

■ HPE GL20 IoT

Operating System

Linux

Resources

KONTRON LoRa Connected Devices



Kit Overview

A wireless technology allowing easy installation of multiple new connected devices, driving to lower cost of ownership, and better customer experience

- Asset management for fleets of vehicles, trains, and more
- Monitoring of large operation sites in harsh outdoor environments

Value Prop

- Drives lower cost of ownership by solving complex logistic services in the field of asset management and energy conservation
- Allows for better customer experience through consistent passenger updates and security improvements

Geo & Purchase Contacts

Availability: Americas Asia/Pacific/Japan Australia/New Zealand Europe

Intel contact:

Partner contact:

harvey.berman@kontron.com

Relevant Verticals

(click to see full list of kits for each vertical)

Transportation

Relevant Use Cases

(click to see full list of kits for each use case)

Machine Condition Monitoring

Asset & Operations Optimization

Situational Monitoring

Logistics & Tracking

Typical Application Infrastructure **LoRa Messages** 4G or Wi-Fi **Ethernet Link** MQTT Secured Messages **MQTT** Wi 🖪 **Publish MOTT** Subscribe **Remote Monitoring**

Kit Components

Intel Components

 WGI210IT Ethernet NIC. Intel Atom® E3845 CPU

KONTRON Components

TRACe LoRa MOTT

Operating System

Linux

Resources

KONTRON kits are described For more information visit at:

KONTRON Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

the following:

- User Guide
- ORDER here today

Nexcom Smart Self-Checkout Solution



Kit Overview

Designed for interactive signage solutions, the Smart Self-Checkout Kiosk equips the NDiS series with facial recognition and object detection to assist customers during the checkout process

- Object detection and facial recognition
- Detailed analytics

Value Prop

- Save labor costs by decreasing the amount of manpower needed to operate checkouts
- Reduce queuing time with simplified payments and easy checkout that minimizes the dependency on retail employees
- Limit human error with object detection to record each sale and track inventory

Geo & Purchase Contacts

Availability: EMEA, Americas, SEA, APJ, PRC, ANZ

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

Nelsonchang@nexcobot.com

Relevant Verticals

(click to see full list of kits for each vertical)

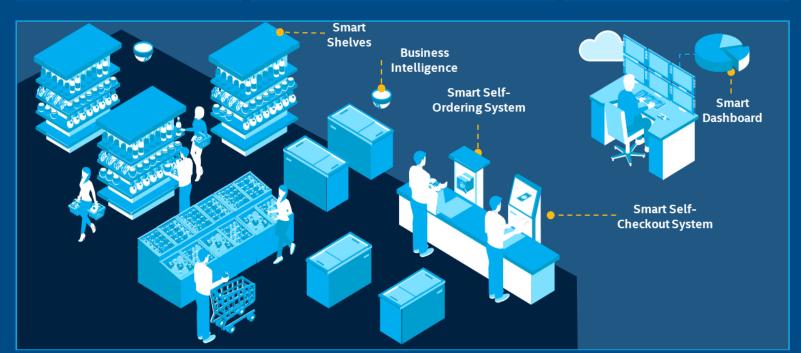
Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Interactive Media

Asset & Operations Optimization



Kit Components

Intel Components

 Intel® Core™ i5-7500T processor, Intel® Distribution of the OpenVINO™ toolkit

Nexcom Hardware

 IPC NDIS B537, 15.6" touch display, FHD camera, Barcode reader, thermal printer, NFC reader

Software

 OpenCV, OpenVX, Model Optimizer, Facial recognition

Cloud Service Provider

Microsoft AzureOperating System

Windows 10

Resources

Nexcom kits are described at:

■ <u>The Nexcom</u> website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datasheet
- User Guide
- ORDER here

Nexcom Intelligent Farming



Kit Overview

An IoT solution that enables monitoring and control of the environmental conditions in poultry farms to optimize productivity

- Modbus TCP/RTU I/O device support
- Field to cloud data
- Strong controller protection

Value Prop

- Increases farming productivity with cloudbased on-site monitoring and automated response to environmental factors
- Reduces overall expenses and optimizes poultry survival rate

Geo & Purchase Contacts

Availability: APJ, ANZ, EMEA, PRC, ASEAN

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

jimmychang@nexcom.com

Relevant Verticals

(click to see full list of kits for each vertical)

Agriculture

Relevant Use Cases

(click to see full list of kits for each use case)

Environment Monitoring

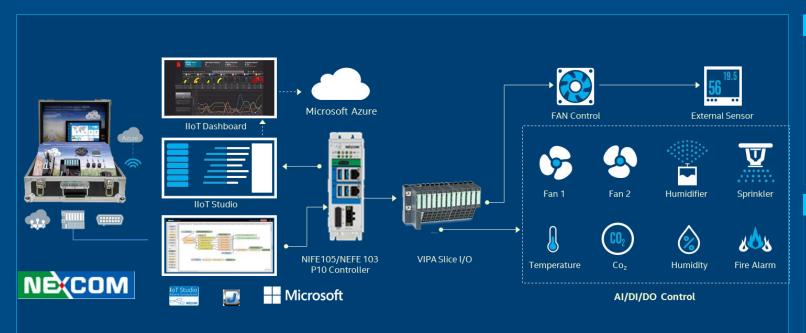
Interactive Media

Energy Monitoring & Management

Asset & Operations Optimization

Situational Monitoring

Operating System



Kit Components

Intel Component

- WGI210IT Ethernet NIC
- Intel Atom® E3845 CPU

Nexcom Components

TRACe LoRa MQTT

Linux

Resources

Nexcom kits are described at: For more information visit

Nexcom Website

To learn about Intel IoT kits visit:
Intel IoT Kits Overview

- <u>Datasheet</u>
- Configuration Guide
- ORDER here today

ADLINK Smart Camera



Kit Overview

A ready-to-go smart camera used to reduce the complexity in machine vision applications alignment, product line inspection, detection, and recognition

Easy-to-use machine vision software MERLIC

Value Prop

Reduces cost by executing all inspection and gauging tasks in a high-performance all-inone solution

Helps shorten development time for system integrators with built-in advanced image processing

Geo & Purchase Contacts

Availability: EMEA; Southeast Asia; APJ; PRC; Australia/NewZealand; **United States**

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Product Inspection

Machine Condition Monitoring



Sample Applications



Electronics and Semiconductor

Food and Beverage Sorting









Automotive



Logistics

Kit Components

Intel Component

■ Intel Atom® E3845 processor ■ Windows Embedded quad core

Operating System

Standard 7

Cloud Service Provider

Microsoft Azure

Resources

ADLINK kits are described at: For more information visit

ADLINK Website

To learn about Intel IoT kits visit: Intel IoT Kits Overview

the following:

User Guide

ORDER here today

ADLINK MCM-100



Kit Overview

A machine condition monitoring edge platform ideally suited for data acquisition and vibration measurement applications. Delivering 24-hour vibration monitoring for rotating machinery and equipment:

- Smooth interconnection
- Automatic event alarm notices

Value Prop

- Helps sustain efficient performance
- Assists in forecasting of potential problems in order to implement preventative measures
- Helps conduct equipment maintenance or replacement

Geo & Purchase Contacts

Availability: EMEA; Southeast Asia; APJ; PRC; Australia/NewZealand

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

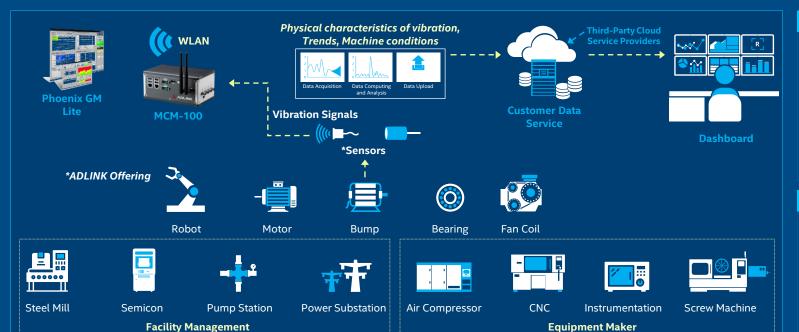
Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Machine Condition Monitoring

Asset & Operations Optimization



Kit Components

Intel Component

Intel Atom® x7-E3950 processor

Cloud Service Provider

Microsoft Azure

Operating System

 Windows 10 IoT Enterprise/ Windows 10 IoT Core, Ubuntu Linux

Resources

ADLINK kits are described at: For more information visit

ADLINK Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

the following:

- ORDER here today

IEI TANK AloT Development Kit



Kit Overview

Pre-configured, embedded computer platform designed to increase the productivity of computer vision solutions and interface systems for Al.

- Flexibility for hardware expansion
- Dual independent display for high-resolution support

Value Prop

- Ensure optimal performance to analyze multiple HD video streams and large amounts of sensor data
- Help eliminate challenges in determining package dependencies with preloaded tools for deployment for each operating system stack

Geo & Purchase Contacts

Availability: Europe; Americas; Southeast Asia; APJ; PRC; Australia/New Zealand

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Education

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

Asset & Operations Optimization



















IP Camera





Numerous Car Plates analyses





Fanless







666



Machine Vision



Kit Components

Intel Components

6th Gen Intel® Core™ i5-i7 processor with Intel® O170 chipset

IEI Hardware

■ IEI Tank 870-0170. Power cable, Wi-Fi with antennae

Software

 Intel® Distribution of OpenVINO™ toolkit, Intel® Media SDK, 16.04 desktop LTS, Intel® System Studio 2018

Operating System

Ubuntu

Resources

IEI kits are described at:

IEI Website

To learn about Intel IoT kits visit: Intel IoT Kits Overview

- User Guide
- API/SDK
- ORDER here today



Avalue Interactive Digital Signage



Kit Overview

Intelligent digital signage solution harnessing real-time data insights to identify demographic and display relevant, interactive, and personalized ads

- Smart signage with facial recognition
- Reliable statistics and market feedback data

Value Prop

- Helps to enhance the shopping experience and encourage purchasing with facial recognition for personalized ads and promotional information
- Promotes strategic marketing improvements through the collection of customer statistics

Geo & Purchase Contacts

Availability: Global

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

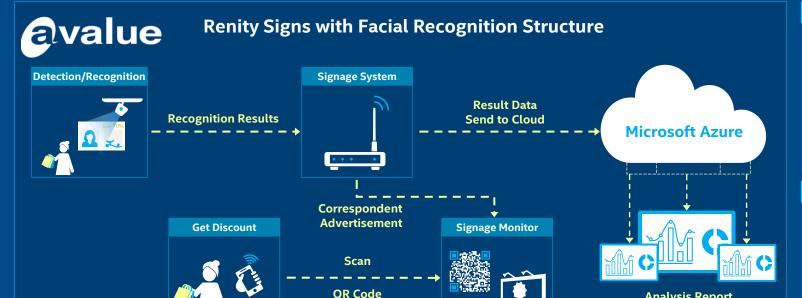
Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Interactive Media

Logistics & **Tracking**



Kit Components

Intel Components

■ Intel® Celeron® processor

Avalue Hardware

 Avalue EPC-BYT2 J1900 Fanless Tiny System

Cloud Service Provider

Microsoft Azure

Resources

Avalue kits are described at:

Avalue Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

For more information visit the following:

- ORDER here today

Analysis Report

Generated Automatically

Roseek Intelligent Transportation System Smart Camera Development Kit



Kit Overview

A reliable and high-performing smart camera solution that includes a programmable machine vision, imaging platform

- Face recognition and traffic vision
- Industrial MV with HALCON or OpenCV
- Support for Linux, Microsoft Windows, and ONVIF

Internet of Things Group

Value Prop

- Maximize value with an open and easy-todevelop platform for support of third-party software while maintaining low costs
- Elevate performance powerful computing capacity and real-time image processing of uncompressed images

Geo & Purchase Contacts

Availability: Global

Intel contact:

fp.ready.kits@intel.com

Partner contact:

yuzhong.wang@roseek.com

Relevant Verticals

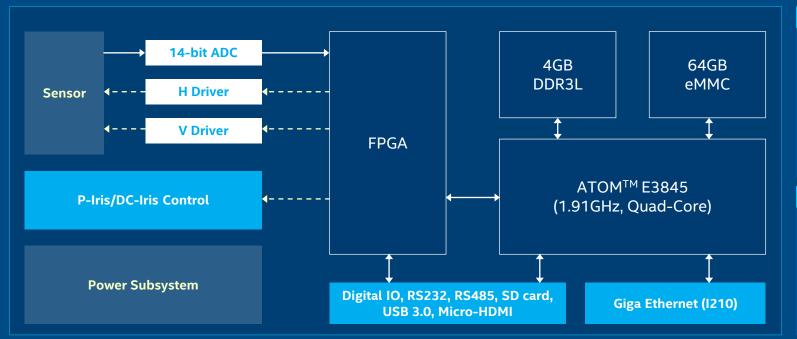
(click to see full list of kits for each vertical)

Transportation

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring



Kit Components

Intel Components

■ Intel Atom® E3845 processor

Roseek Hardware

- Global Shutter CCD/CMOS
- HD H.264 video streaming

Operating System

- 64-bit Windows 10 IoT Enterprise,
- Linux
- Ubuntu

Resources

Roseek kits are described at:

Roseek Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datashee
- User Guide
- Configuration Guide
- API/SDK
- ORDER here today

Roseek Industrial Machine Vision Smart Camera Development Kit

Kit Overview

A reliable smart camera solution that includes image acquirement, processing, and system communication

- Essential functions included
- Reliable system stability—a wide working temperature range with a low failure rate Support for Linux and Microsoft Windows

Value Prop

- Maximize value with an open and easy-todevelop platform for support of third-party software while maintaining low costs
- Elevate performance powerful computing capacity and real-time image processing of uncompressed images

Geo & Purchase Contacts

Availability: Global

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

yuzhong.wang@roseek.com

Relevant Verticals

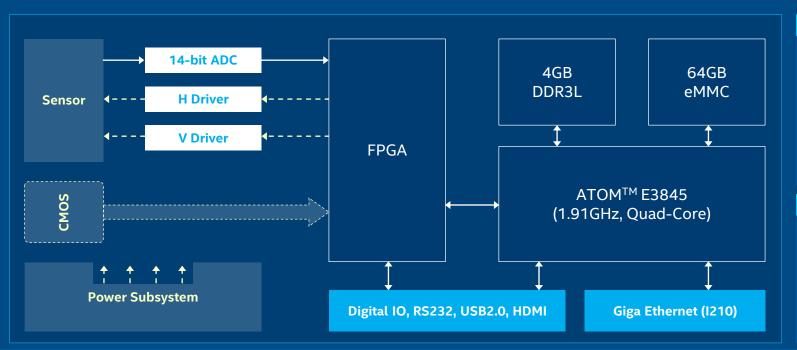
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring Logistics & Tracking



Kit Components

Intel Components

■ Intel Atom® E3845 processor

Roseek Hardware

- 0.3–12 MP CCD/CMOS image sensor
- HDMI DisplayPort,
- two constant current LED drivers

Operating System

- 64-bit Windows 10 IoT Enterprise
- Linux
- Ubuntu

Resources

Roseek kits are described at:

Roseek Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datashee
- User Guide
- Configuration Guide
- API/SDK
- ORDER here today

ARBOR Retail & GOT Solution



Kit Overview

A Graphic Order Terminal (GOT) offering versatile and reliable data capture capabilities for warehouse, logistics, and retail operators to streamline workflow.

- Android and Windows-based
- Node-Watch Unified Cloud service
- Multifunction, ergonomic tablet dock

Value Prop

- Reduce complexity of device integration with I/O connections for application expansion and a unified cloud management solution
- Enhance efficiency of POS systems with flexible and versatile card reading and barcode scanning capabilities

Geo & Purchase Contacts

Availability: Global

Intel contact:

Partner contact:

andrew.hsiao@arbor.com.tw

Relevant Verticals

(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Interactive Media

Machine Condition Monitoring

Logistics & Tracking



Warehousing



Logistics & Distribution



Retail



Multi-purpose tablet dock

with optional accessories







Kit Components

Intel Components

- Intel Atom® x5-Z8350 processor 64-bit
- Intel® HD Graphic Chipset

ARBOR Hardware

- Cameras—2.0 MP and 8.0 MP
- Sensors—Gyroscope, eCompass, light sensor

 Barcode scanner—1D/2D scanner with physical trigger buttons

Operating System

Windows 10. Android 5.x.

Resources

ARBOR kits are described at:

ARBOR Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- User Guide
- Configuration Guide
- API/SDK
- ORDER here today

BOE New Retail Vending Machine Suite



Kit Overview

An intelligent retail vending machine kit with transparent display window system and functions such as integrated face recognition, user interaction, and advertisement distribution.

- Cloud BOE server
- ADSDS panel
- Multitouch touchscreen

Value Prop

- Simplify system management with private cloud storage and access to system and customer data through multiple devices
- Enhance the customer experience with interactive touch screen and personalized product information based on real-time data

Geo & Purchase Contacts

Availability: Global

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

zhaihongxiang@boe.com.cn

Relevant Verticals

(click to see full list of kits for each vertical)

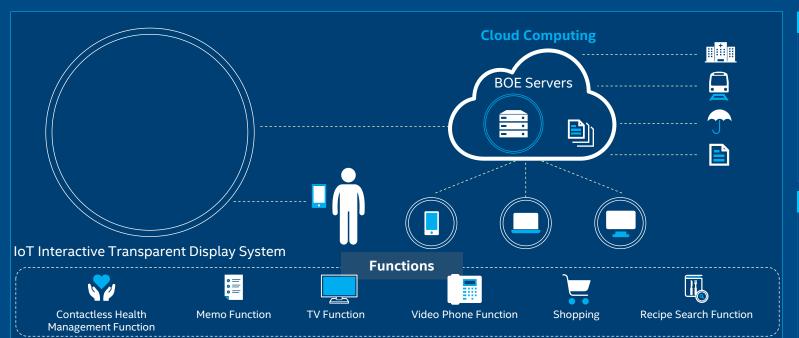
Government

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring



Kit Components

Intel Components

Intel Atom® Z8350

Cloud Service Provider

 Independent BOE cloud server

Operating System

Android

Resources

BOE kits are described at:

BOE Website

To learn about Intel IoT kits visit:
Intel IoT Kits Overview

- Datashee
- User Guide
- Configuration Guide
- API/SDK
- PRC ORDER here
- Global ORDER here

Seneca and Navori Digital Signage Bundle



Kit Overview

A flexible digital signage bundle including purpose-built media players, rich content Management Software and template driven designing tools.

- Multi-OS, multi-user software: QL **Professional**
- Optional fanless chassis

Value Prop

- Enhance customer experience with personalized content and targeted messaging at the point of decision, to increase sales and elevate your brand
- Make fast, informed business decisions with access to cloud-based data on a simple CMS and multi-user software platform

Geo & Purchase Contacts

Availability: Global

Intel contact:

Partner contact:

Scott.Falso@Arrow.com

Relevant Verticals

(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

> Interactive Media



Media Player

Dashboard

Media Players

Seneca XK-FLX Seneca HDN Seneca Fanless HDN





Content Manager



Cloud Service

Navori Signage Dashboard **OL Professional**

Kit Components

Intel Components

- Kit bundle 1: Intel® Celeron® N3060
- Kit bundle 2: Intel® Core™ i3-5010U
- Kit bundle 3: Intel® Core™ i5-5300U

Navari Hardware

Seneca XK-FLX, HDN, or Fanless HDN

Cloud Service Provider

Microsoft Azure

Resources

Navori kits are described at:

Navori Website

To learn about Intel IoT kits visit: Intel IoT Kits Overview

- Configuration Guide
- ORDER here today

UP IQRF IoT Starter Kit



Kit Overview

Easy to deploy starter kit geared towards gateway solution creation and development, complete with an environmental sensor, relay, and IQRF repeater

- Tested for Linux operating system
- Extensibility with interoperable IQRF wireless mesh connectivity

Value Prop

- Enhance power and efficiency of gateway performance without high energy consumption for use in a variety of use cases
- Monitor and control devices remotely and reliably with interoperable wireless mesh connectivity

Geo & Purchase Contacts

Availability: Europe, Israel, USA, India

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

- alingwu@aaeon.e
- alliance@igrf.org

Relevant Verticals

(click to see full list of kits for each vertical)

Government

Other

Relevant Use Cases

(click to see full list of kits for each use case)

Environment Monitoring



Kit Components

Intel Components

 Intel Atom® x5-Z8350 processor 64-bit

IORF Hardware

 DS-IOT-01 with IQRF set for wireless connectivity including Sensor kit (DDC-SE-01) and Relay Kit (DDC-RE-01 UP board 2GB + 32 GB eMMC memory

Cloud Service Provider

Amazon Web Services, Microsoft

Resources

IQRF kits are described at:

IQRF website

<u>Up Board</u> website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Kit Introduction
- User Guide
- Configuration Guide
- API/SDK
- ORDER here today

Axiomtek Solar Energy Gateway Solution



Kit Overview

A solar energy gateway kit that can securely utilize sensors and meters, deploying digital controls and analytics for better monitoring and management of energy and information.

- Low-power ICO300 Gateway
- Visual dashboard for users
- Centralized management
- Data storage at the cloud

Value Prop

- Reduce labor and inspection cost with remote data monitoring and analysis to observe onsite situations from anywhere
- Shorten time-to-response in the case of abnormal events, with all year-round (24/7) monitoring and alarm system

Geo & Purchase Contacts

Availability: Europe, Americas, APJ Intel contact:

rfp.ready.kits@intel.com

Partner contact:

candice@axiomtek.com.tw

Relevant Verticals

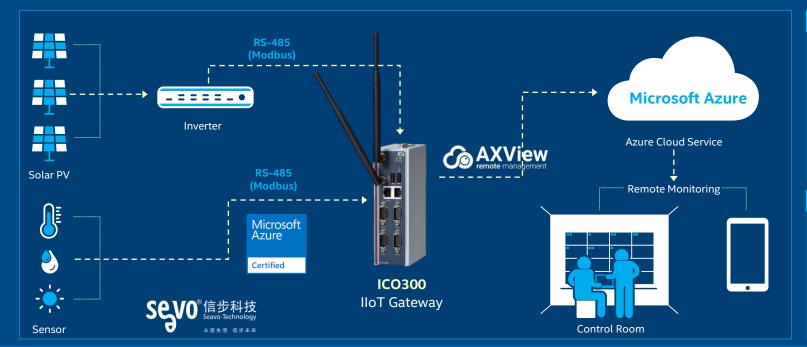
(click to see full list of kits for each vertical)

Energy

Relevant Use Cases

(click to see full list of kits for each use case)

Energy Monitoring & Management Machine Condition Monitoring



Kit Components

Intel Components

Intel Atom® processor E3815

Axiomtek Hardware

- 12 ~ 24 VDC wide range power input
- 2 isolate 10/100/1000 Mbps Ethernet ports

Cloud Service Provider

Microsoft Azure

Operating System

Windows 7 or above

Resources

Axiomtek kits are described at:

Axiomtek Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- AXView Solar datasheet
- ICO300 datasheet
- User Guide
- Configuration Guide
- <u>API/SDK</u>
- ORDER here today

Moxa Oil & Gas Drilling Monitoring Solution



Kit Overview

A computing platform providing users with a powerful solution for high-speed serial communication, network redundancy, and dual storage.

- Access intelligent gateway acquisition and management with ThingsPro software
- Manage your assets anywhere, anytime

Value Prop

- Reduce cost with Moxa's Proactive Monitoring and Smart Recovery software tools to take predictive maintenance measures for maximum system uptime
- Enhance versatility with a power efficient automation computer that offers an array of communication interfaces for diverse industrial applications

Geo & Purchase Contacts

Availability: EMEA, Americas, Southeast Asia, APJ, Australia/New Zealand

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

taita.chou@moxa.com

Relevant Verticals

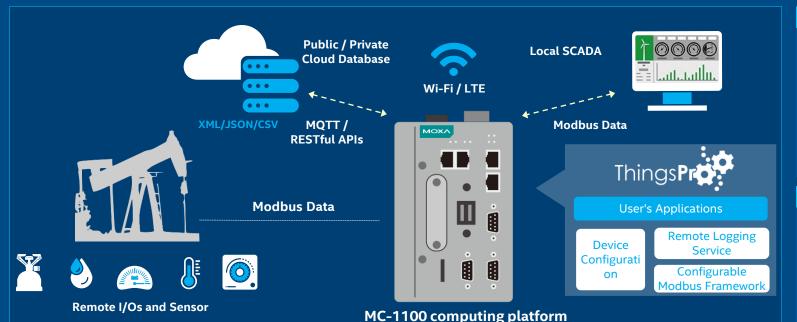
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Environment Monitoring



Kit Components

Intel Components

■ Intel Atom® E3800

Moxa Oil & Gas Hardware

MC-1100 Series computer

Cloud Service Provider

- Microsoft Azure
- Amazon Web Services

Software

Moxa ThingsPro IoT Software

Resources

Moxa Oil & Gas kits are described at:

Moxa Oil & Gas Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- MC-1100 datasheet
- ThingsPro datasheet
- User Guide
- Configuration Guide
- API/SDK
- ORDER here today

UP Squared Al Vision Development Kit



Kit Overview

A prototyping environment enabling developers to quickly implement and deploy computer vision solutions

- Pre-installed customer Ubuntu Desktop OS
- Wide range of robust graphics and media performance
- Optimized for wide array of industrial applications

Value Prop

- Get to work quickly with pre-installed custom OS, OpenVINO™ toolkit, and a USB HD camera
- Design with scalability using your choice of powerful Intel® processors and a plug-in VPU
- Expedite production with pre-installed IDE for prototyping

Geo & Purchase Contacts

Availability: Africa/Middle East, Europe, Americas, Southeast Asia, APJ, PRC, Australia/New Zealand

Intel contact:

Don.liu@intel.com

Partner contact:

alingwu@aaeon.eu

Relevant Verticals

(click to see full list of kits for each vertical)

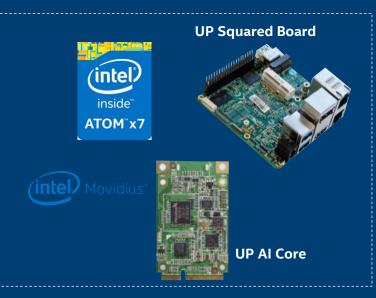
Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

UP HD Camera







Intel® Distribution of OpenVINO™ & System Studio

Kit Components

Intel Components

- Intel Atom® x7-E3950 processor
- Intel® HD Graphics Gen 9
- Al Core with Intel® Movidius™ Myriad™ 2 VPU

UP Hardware

- UP2 board
- USB HD vision camera

Cloud Service Provider

- Amazon Web Services
- Microsoft Azure
- Google Cloud Platform

Operating System

■ Linux Ubuntu

Resources

UP kits are described at:

<u>UP Websit</u>

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Al datasheet / <u>UP2 Board</u> datasheet
- User Guide
- API/SDK
- ORDER here today

IEI TANK Ruggedized Surveillance Solution



Kit Overview

New generation smart, embedded computer platform designed to increase flexibility and security as a control center

- Ultra-rugged, fanless design to withstand harsh environments
- Supports QTS Gateway operating system

Value Prop

- Simplify system status monitoring and management with a visualized interface
- Enhance solution scalability and functionality with a diverse set of downloadable applications, such as surveillance and remote management

Geo & Purchase Contacts

Availability: Africa/Middle East, Europe, Americas, Southeast Asia, Asia/Pacific/Japan, PRC, Australia/New Zealand

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Transportation

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

Asset & Operations Optimization

Features

Automation

Machine Vision

Data Acquisition





Triple Display



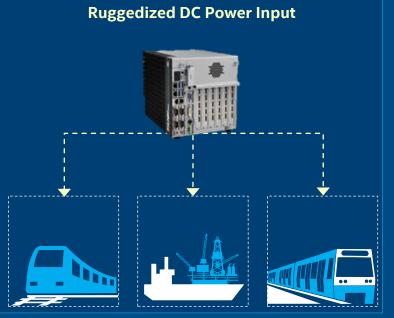
PCI3 Mini Expansion



Dual LAN



PCI/PCIe



Kit Components

Intel Components

- 6th/7th Gen Intel® Core™ processor
- Intel® O170 chipset
- Intel® I219LM PCIe controller
- Intel® I210 PCIe controller

Cloud Service Provider

- Amazon Web Services
- Microsoft Azure
- Google Cloud Storage

Operating System

GTS Gateway

Resources

IEI kits are described at: IEI solution index

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- API/SDK
- ORDER here today

Mivatek Care Solution



Kit Overview

An easy to install kit designed to assist caregivers with elderly patients. Facilities low on staff can use the app to monitor the condition of their patients, be alerted of any emergencies as well as other applications

- Mobile interactive video alarm
- Instant emergency responses
- Affordable self-monitoring

Value Prop

- Improve seniors' quality of life by enabling a more independent lifestyle
- Enhance safety of patients with video monitoring, door and window sensors, and prioritized response
- Increase productivity of care givers by reducing their workload

Geo & Purchase Contacts

Availability: Africa/Middle East, Europe, Americas, Southeast Asia

Intel contact:

<u>rfp.ready.kits@intel.com</u>

Partner contact:

robinc@mivatek.com

Relevant Verticals

(click to see full list of kits for each vertical)

Government

Other

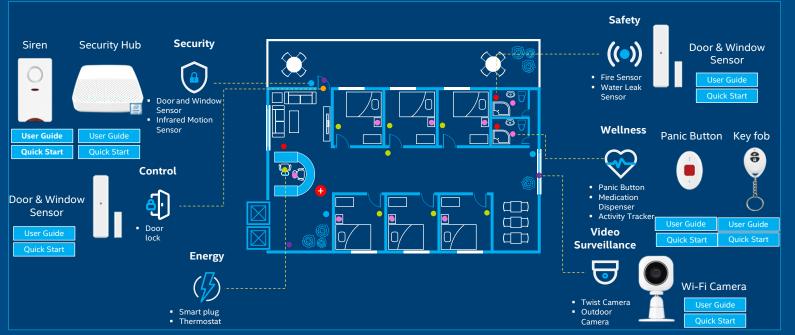
Relevant Use Cases

(click to see full list of kits for each use case)

Human Wellness Monitoring Situational Monitoring Machine Condition
Monitoring

Control Optimization & Autonomy

Energy Monitoring & Management



Kit Components

Intel Components

 Intel® Quark SoC 400 MHz Quark Core

Cloud Service Provider

Amazon Web Services

Operating System

Android, IOS

Mivatek Hardware

 Kit: Security hub, Wi-Fi Camera, Panic & Fall button, Siren, 2 Door & Window Sensors, and a Key fob (arm/disarm the system remotely through the gateway)

Resources

Mivatek kits are described at:

Mivatek Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datashee
- User Guide
- App User Guide
- API/SDK
- ORDER here today

IEI IVS-300-ULT3-QGW



Kit Overview

An in-vehicle computer for public transportation designed to improve surveillance and data transmission for remote control

- Designed to withstand harsh environments
- GPS module
- Onboard diagnostics for vehicle condition monitoring

Value Prop

- Increase safety of passengers with QVR Pro, a professional video management system
- Improve asset management with QRM+ for IT Environment Monitoring
- Increase operational efficiency with local and remote storage backup and security with hybrid backup sync

Geo & Purchase Contacts

Availability: Americas, EMEA, ASEAN, PRC, ANZ, APJ

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

scottpao@ieiworld.com

Relevant Verticals

(click to see full list of kits for each vertical)

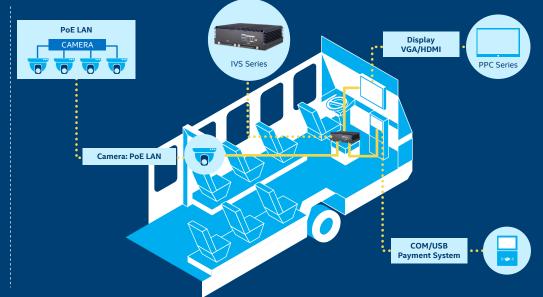
Transportation

Relevant Use Cases

(click to see full list of kits for each use case)

Asset & Operations Optimization





Kit Components

Intel Components

Intel® Core™i5-6300U processor

IEI Hardware

IVS-300-ULT3-QGW

Software

- QVR Pro Open Surveillance
- Hybrid Backup Sync
- QRM+

Gateway

QTS Gateway

Operating System

- Microsoft Windows Embedded 8
- Microsoft

Resources

IEI kits are described at:

IEI solution index

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datashee
- User Guide
- Configuration Guide
- API/SDK
- ORDER here today

ADLINK ROS 2.0 Development Platform



Kit Overview

A robotic operating system that enables the interconnection and communication of factory equipment in real time with ROS 2.0 as the system middleware

- Flexible hardware configuration
- Suitable for AI computing
- Scalable for any factory size

Value Prop

- Reduce development costs and boost time to market with the ROS 2.0 opensource application library
- Accelerate robot computation by integrating GPU, which supports the AI computing platform

Geo & Purchase Contacts

Availability: APJ

Intel contact:

Partner contact:

Relevant Verticals

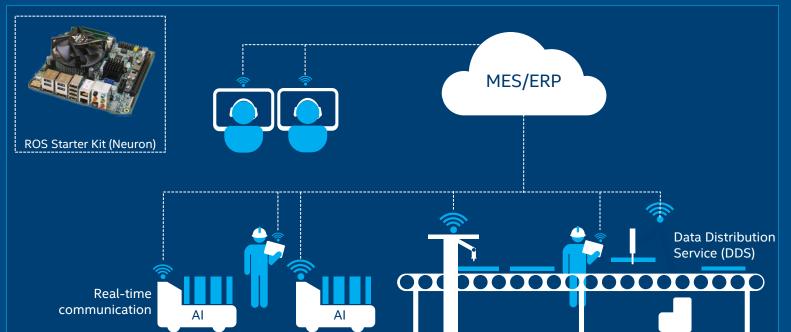
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

> Control Optimization & Autonomy



Kit Components

Intel Component:

 Intel® Core™ i7/i5 processors,
 Ubuntu Intel® Celeron® processors, Intel® Movidius™, and Intel® RealSense™

ADLINK Hardware

ROS Starter Kit–Neuron

Software

ROS 2.0 Ardent Apalone

Operating System

Learn more

ADLINK kits are described at: For more information visit the following:

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

Kit Introduction

- User Guide
- API/SDK
- ORDER here today

Nebbiolo Real Time Analytics (RTA) Solution



Kit Overview

An edge computing kit that uses an open hyper converged architecture to provide manufacturing insights for quality control and equipment effectiveness

- Data extraction from any machine, controller, or sensor
- Central management of assets
- Extendable edge analytics stack

Value Prop

- Improve inspections of the production process with inline quality control
- Minimize required hardware footprint through virtualization of applications
- Increase efficiency with machine learning algorithms and data reduction at the edge

Geo & Purchase Contacts

Availability: Europe, Americas, APJ, PRC

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

gmendel@nebbiolotech.com

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing Energy

Relevant Use Cases

(click to see full list of kits for each use case)

Control Optimization & Autonomy Product Inspection Other

Logistics & Tracking Optimization

Kit Components

Intel Component

• Intel® Haswell Core™-i5 4402E

Nebbiolo Hardware

- Siemens IPC Model: 6AG4112-3KR13-4XX2 – Xeon Class
- Siemens IPC Model: 6AG4131-3GC23-8AA0 – i7 Core

Software

 Base fogOS middleware, fogSM system manager license, Edge Analytics and Data Rights & Secure Streaming, Application SDK, third-party extensions

Cloud Service Provider

 Amazon Web Services, Microsoft Azure

Operating System

Windows, Linux

Quality Data --- Machine Data --- Machines, Tools, Sensors, and Controllers

fogSM System Manager Fog/Edge Node Orchestration Compute, Networl Industry Cloud Windows Docker **Application Application** Application Connectors Connectors **Device & Application Application &** Configuration Stor Analytics and Insights Middleware **Cloud & on-premises Encrypted Streams** Data-Edge Time-Series Visualization **Pipeline** Analytics DB Third-party Hypervisor Services

Learn more

Nebbiolo kits are described at:

http://www.nebbiolotech.com

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Kit Introduction
- Hardware User Guide
- Software User Guide
- API/SDK
- ORDER here today

Blutech Machinelink IloT Solution



Kit Overview

Plug-and-play IIoT network enabler that connects end devices to the edge and cloud while monitoring power consumption and equipment status

- Control system remotely
- Connect multiple channels
- Deploy and upgrade easily
- Meet all scale of IoT

Value Prop

- Avoid risk and reduce costs with projected forecasts and budgets based on performance
- Empower better decision-making with visualized data at various scales
- Improve production efficiency by 5-10% with data processing

Geo & Purchase Contacts

Availability: EMEA, Americas, APAC. PRC

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

Machine Condition Monitoring

Intelligent Data



Kit Components

Intel Component

■ Intel Atom® processor E3825 ■ AWS

Blutech Hardware

 Blutech Machinelink Gateway,
 Ubuntu, Linux Data Collector, Machinelink meter

Software

· Tomcat web server, MySQL database, networking protocol algorism

Cloud Service Provider

Operating System

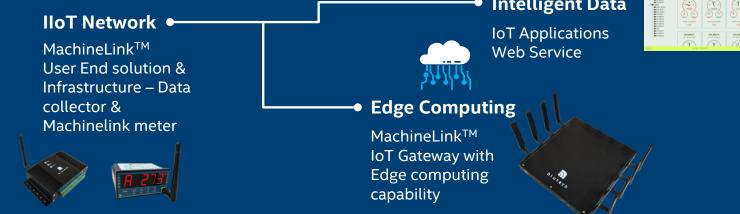
Learn more

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

Blutech kits are described at: For more information visit the following:

- Kit Introduction
- Configuration Guide
- ORDER here today



Episensor Energy Management



Kit Overview

The kit pulls data from a variety of sensors that measure parameters including voltage, current, power, and more. With the data collected from these sensors, the kit enables customers to perform more effective energy management by:

- Easily deploying and expanding
- Withstanding harsh conditions
- Using a wide range of sensors

Value Prop

- Highlight areas of inefficiency so action can be taken to reduce energy usage and costs
- Improve sustainability by decreasing overall energy usage by up to 35%, reducing the associated environmental impact

Geo & Purchase Contacts

Availability: Europe

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

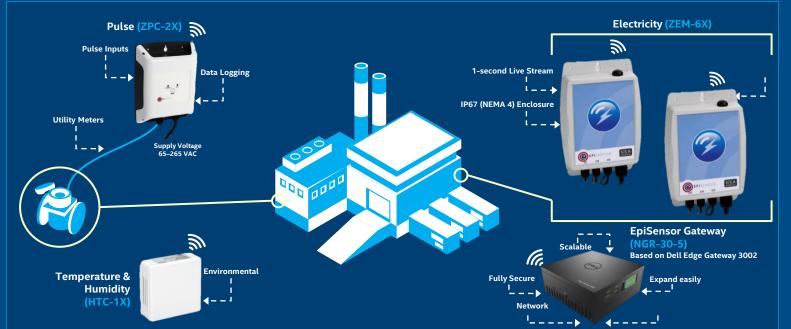
Relevant Use Cases

(click to see full list of kits for each use case)

Energy Monitoring & Management

Machine Condition Monitoring

Asset & Operations Optimization



Kit Components

Intel Component

■ Intel Atom® processor E3805 **Episensor Hardware**

NGR-30-5 Gateway. Three-

Phase Electricity Monitor ZEM- Ubuntu Core 61, M-Bus Interface, Range Extender, Pulse Counter

Software

Pre-Installed

Cloud Service Provider

 AWS, Microsoft Azure, IBM Cloud

Operating System

Learn more

Episensor kits are described at:

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

For more information visit the following:

- API/SDK ORDER here

today

- Three-phase **Electricity Monitor**
- Pulse Counter
- User Guide

Nexcom MiniBOT Educational Robot Kit



Kit Overview

An EtherCAT-based, 6-axis articulated robot used to research and learn how an industrial robot is built and operated

- Compact, industrial robot design
- Open development environment
- Suitable for education

Value Prop

- Improve efficiency of robotic courses that enables the ability to effectively teach individuals how to build and operate industrial robots
- Develop and test productive routines using the MiniBOT as an experimental environment

Geo & Purchase Contacts

Availability: EMEA, Africa, Southeast Asia, APJ, PRC, ANZ

Intel contact:

Partner contact:

kurtchen@nexcom.com.tw

Relevant Verticals

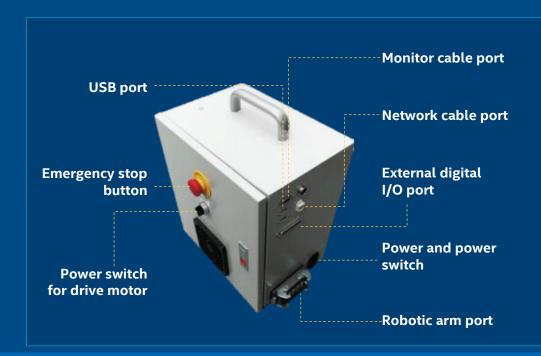
(click to see full list of kits for each vertical)

Education

Relevant Use Cases

(click to see full list of kits for each use case)

> Control Optimization & Autonomy



Robotic arm



Kit Components

Intel Component

Core, Intel® I210AT NIC

Nexcom Hardware

 Robotic Arm. External **Emergency Button, Robot Control Cabinet**

Software

■ Intel® Celeron® J1900 Quad- ■ NexGRC (NexCOBOT's robot control software)

Operating System

Windows

Learn more

Nexcom kits are described at:

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- User Guide
- Configuration Guide
- API/SDK
- ORDER here today

TTTech Real-time Machine Data Solution



Kit Overview

It is an edge-fog computing kit that provides real-time data access, processing, and visualization for machine insight and analytics. With the kit, new features can be rolled out quickly via remote deployment of docker containers. Plus, data can be shared with third-party applications at the edge.

Value Prop

a single platform

 Improve decision making with access to realtime data from industrial machines without changing infrastructure or adding gateway devices Increase efficiency with data collection, visualization, and application deployment on

Geo & Purchase Contacts

Availability: Europe

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

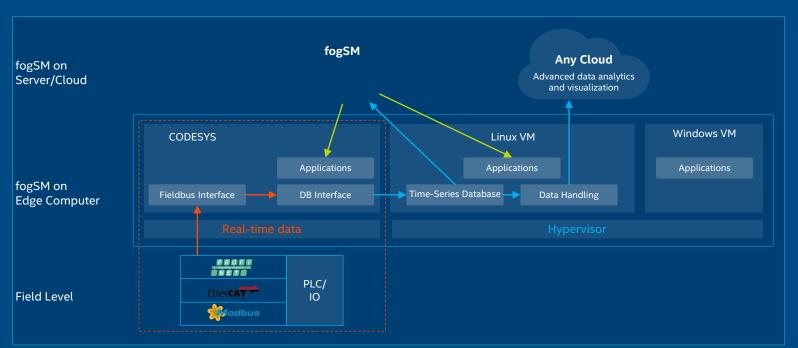
(click to see full list of kits for each use case)

Energy Monitoring & Management

Interactive Media

Machine Condition Monitoring

Asset & Operations Optimization



Kit Components

Intel Component

 Intel Atom® processor E9350.
 Amazon Web Services. Intel[®] Cyclone[®] V SoC

TTTech Hardware

 MFN 100, an industrial edge computer with 512GB SSD storage

Cloud Service Provider

Microsoft Azure

Operating System

fogOS, fogSM; Windows, Ubuntu

Learn more

TTTech kits are described at: For more information visit

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

the following:

- API/SDK
- ORDER here today

JWIPC Al Ready Vision kit for Smart Manufacturing



Kit Overview

The Al Ready Vision kit for Smart Manufacturing provides edge analytics for factory computer vision analysis and predictive maintenance

- North bound cloud communication
- Defect detection
- Rugged, fanless design

Value Prop

- Enhance the factory automation process with visual inspections deployed with machine learning capabilities
- Connect factory equipment and perform edge to cloud orchestration through ETA

Geo & Purchase Contacts

Availability: PRC

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

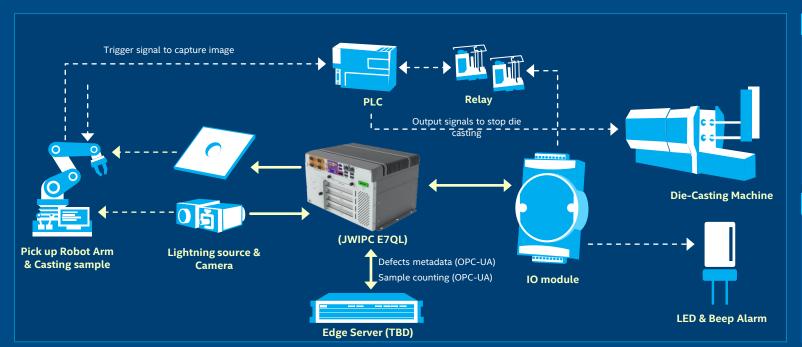
Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Product Inspection

Machine Condition Monitoring



Kit Components

Intel Component

■ Intel® Skylake CPU, ETA, and Intel® Distribution of OpenVINO™

JWIPC Hardware

■ E7QL

Cloud Service Provider

Alibaba IoT Cloud

Operating System

Ubuntu

Learn more

JWIPC kits are described at: For more information visit

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

the following:

- Product Page
- User Guide
- ORDER here today

SYSTECH IntelliTrac S1



Kit Overview

IntelliTrac S1 is a telematic device that fulfills fleet management and logistics monitoring requirements for current and future markets

- ADAS function support
- Features rich tracking protocol
- High-performance GPS module

Value Prop

- Increase driver safety with driver behavior monitoring
- Reduce fuel cost and improve dispatching efficiency with route planning and optimization
- Ensure asset security with real-time tracking for monitoring asset status

Geo & Purchase Contacts

Availability: All countries with 3G coverage

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Transportation

Relevant Use Cases

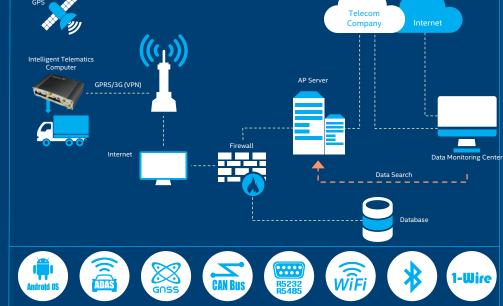
(click to see full list of kits for each use case)

Logistics & Tracking

Situational Monitoring

Asset & Operations Optimization

IntelliTrac S1 Forward Collision Improved organization's Pedestrian **Collision Warning** safety records



Kit Components

Intel Component

 Intel Atom® x3 quad-core processor

SYSTECH Hardware

■ I/O cable, Power Cable, Serial RS 232 Cable, 1-wire and RS 485 Cable, and Wi-Fi, Bluetooth, GPS, and GSM Antennas

Software

 Intelli FleetWeb **Operating System**

Android 6.0

Learn more

SYSTECH kits are described For more information visit

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- www.systech.com.tw/index.p IntelliTrac S1 datasheet
 - Intelli AVL Solutions
 - User Guide
 - Configuration Guide
 - ORDER here today

Avalue Interactive Smart Shelf



Kit Overview

It is a digital signage kit that plays coordinated content when customers engage with items on the shelf. The smart shelf detects product movement for tailored marketing, displays complex product details, and provides discount vouchers. Notable too is its compact and fanless design.

Value Prop

- Engage customers with targeted advertisements and product information
- Improve productivity of store employees by reducing time spent describing products to customers
- Increase insights on product placement with visual analysis report by Microsoft Power BI

Geo & Purchase Contacts

Availability: Africa/Middle East, Europe, Americas, APAC, Australia/New Zealand

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

<u>Jason liu@avalue.com.tw</u>

Sales@avalue-solutions.com

Relevant Verticals

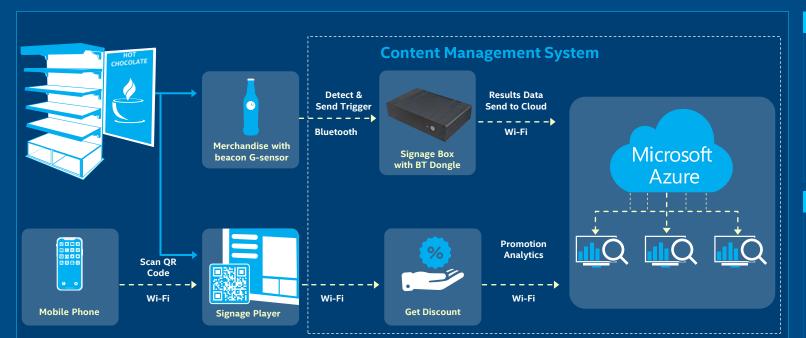
(click to see full list of kits for each vertical)

Health & Life Sciences

Relevant Use Cases

(click to see full list of kits for each use case)

Human Wellness Monitoring Asset & Operations Optimization



Kit Components

Intel Component

 Intel Atom® SoC processor, Intel® 6th Generation Intel® Core™ & Celeron® processor

Avalue Hardware

 REN-EP (EPC-BYT2/EPC-SKLU plus Renity Signs software)

Cloud Service Provider

- Microsoft AzureOperating System
- Windows

Learn more

Avalue kits are described at: For more information visit

https://retail.avaluesolutions.com/en

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Kit Introduction
- Product Unboxing
- Configuration Guide
- ORDER here today

Seneca Panopto Certified Video Capture Appliance



Kit Overview

The Seneca Panopto Certified Video Capture Appliance enables presentations to be recorded from a wide range of devices and stores the content securely in the cloud for later viewing

- Quiet and cool design
- Tested and certified with Panopto video capture software

Value Prop

- Schedule recordings and webcasts in advance
- Enable viewers to monitor video recordings taking place across an organization
- Provide easy recording and capturing for conferences, meetings, and events

Geo & Purchase Contacts

Availability: Europe, Americas, Australia/New Zealand

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

scott.falso@arrow.com

Relevant Verticals

(click to see full list of kits for each vertical)

Education

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring Asset & Operations Optimization



Kit Components

Intel Component

Intel® Core™ i7-6700 processor

Seneca Hardware

 Video capture appliance, video capture cards, and multimedia accessories

Cloud Service Provider

- Amazon Web ServicesOperating System
- Windows

Learn more

Seneca kits are described at: For more information visit

https://www.arrow.com

To learn about Intel IoT kits visit:
Intel IoT Kits Overview

- <u>User Guide</u>
- API/SDK
- ORDER here today

ReadSense FX Smart Camera Module



Kit Overview

A smart camera designed for human-computer interaction that allows retailers to track customer demographics and buyer patterns

- Face tracking and recognition
- Age, gender, and emotion estimation
- Energy-efficient

Value Prop

- Improve decision making with data on customer needs and patterns
- Scale the kit to fit specific needs with customizable metrics
- Increase security and reduce false alarms with an upgrade for surveillance technology
- Support multiple vision tasks simultaneously

Geo & Purchase Contacts

Availability: EMEA, Americas, APJ, PRC, ANZ, and Southeast Asia

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Transportation

Retail

Government

Relevant Use Cases

(click to see full list of kits for each use case)

Logistics & Tracking

Situational Monitoring



Smart Vending Machines: Facial Recognition and Human Detection





Access Control: Non-intrusive, real-time face verification



Retail Traffic Analysis: People counting, in-store trajectory, and heat maps

Kit Components

Intel Component:

 Intel® Movidius™ Myriad™ VPU
 ReadSense embedded deep learning algorithms

Software

ReadSense Hardware

 FX module computing board and FX module sensing board

Learn more

ReadSense kits are described at: For more information visit

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- ORDER here today

Super Micro Edge Gateway Management Solution



Kit Overview

The Edge Gateway Management Solution is a cloud-based system that connects apps to networks, the cloud, data center, or other edge gateway.

- Secure operating model
- Fanless design
- Full stack provisioning

Value Prop

- Improve efficiencies by provisioning devices remotely from cloud and software-based onboarding
- Increase security with crypto ID-based onboarding, TPM, hypervisor technology, PKI, and integrated firewalls

Geo & Purchase Contacts

Availability: Europe, Americas, Southeast Asia, APJ

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

Ken Mao@supermicro.com

Relevant Verticals

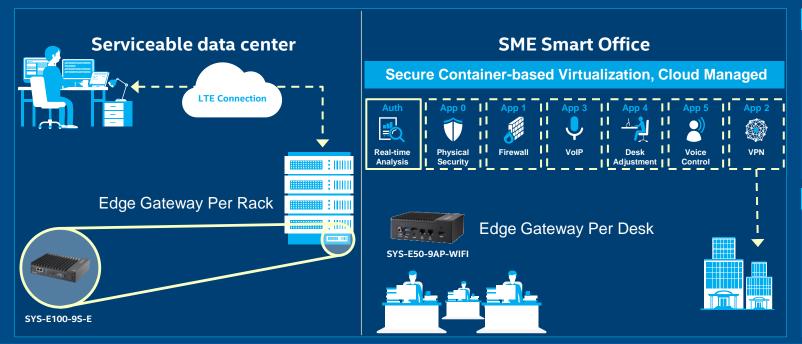
(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Asset &
Operations
Optimization



Kit Components

Intel Component

 Intel Atom® x5-E3940, Intel® Core™ i5-7300, Intel® Xeon® processor D-1518

Super Micro Hardware

 SYS-E50, SYS-E100, SYS-E300, SYS-5018D

Software

 Zededa Edge Software, ZedCloud

Cloud Service Provider

 Microsoft Azure, Amazon Web Services

Operating System

Windows 10 IoT

Learn more

Super Micro kits are described at:

https://www.supermicro.com/products/index.cfm

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datashee
- User Guide
- Configuration Guide
- API/SDK
- ORDER here today

Nexcom Robot with Al Vision Kit



Kit Overview

Using two robots and AI vision, the kit showcases robotic automation. The 6-axis and 7-axis robots collectively build an LED board with a specific pattern using AI Vision.

- EtherCAT Communication
- Safety stop

Value Prop

- Improve machine vision in automation lines with AI vision
- Implement the kit easily with a VPU add-oncard and other Intel-related software

Geo & Purchase Contacts

Availability: EMEA, Americas, Southeast Asia, APJ, PRC, ANZ

Intel contact:

Partner contact:

kurtchen@nexcom.com.tw

Relevant Verticals

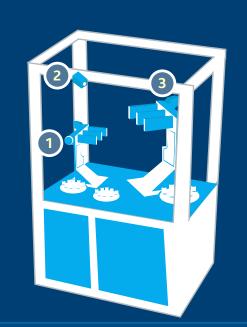
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

> Control Optimization & Autonomy



MiniBOT to decide LED pattern

- Interact with audience
- Shuffle LED modules

Al Vision (Intel® Distribution of OpenVINO™ toolkit)

- Recognize LED modules with right color
- Get location of LED modules

MiniBOT 7R to assemble LED modules

- Assemble LED modules
- Test assembly result

Kit Components

Intel Component

 Intel[®] Distribution of OpenVINO™ toolkit, Intel® Skylake Core™ i7, Intel® Celeron® J1900

Nexcom Hardware

• 6-axis articulated robot, 7-axis • Ubuntu articulated robot, Al Vision

Software

 Robotic control software on WES7

Cloud Service Provider

 Microsoft Azure **Operating System**

Learn more

Nexcom kits are described at:

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- User Guide
- Configuration Guide
- API/SDK
- **ORDER** here today

Lanner SilosBreaker Edge Security Kit



Kit Overview

This kit provides seamless endpoint authentication, software property protection, and advanced device/application management and monitoring. The kit also offers:

- IE 61850-3 and IEEE 1613 compliance
- Rugged design to withstand harsh environments
- Onboard TPM support

Value Prop

- Protect communication in both IT and OT domains with the Lanner Security Gateway
- Increase security with a VM software image, data communications, and a full stack of protections from denial of port accessibility

Geo & Purchase Contacts

Availability: Europe, Americas, Southeast Asia, APJ

Intel contact:

Partner contact:

US Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

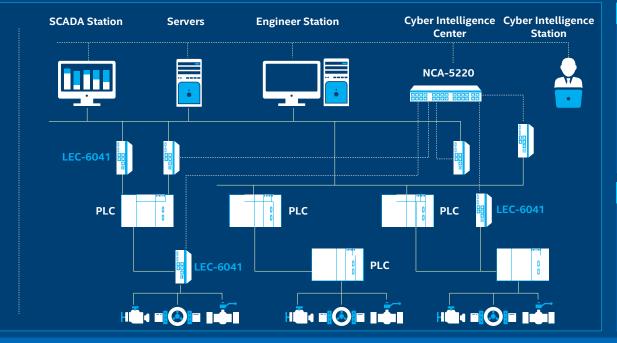
Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

> Logistics & Tracking

LEC-6041



Kit Components

Intel Component

 Intel Atom® x5-3930 processor. Intel Atom® x7-3950 processor

Lanner Hardware

■ Edge Security Gateway LEC-6041A

Software

■ Intel® Boot Guard, Lanner Platform Guard, Zededa Cloud Native Edge

Operating System

Windows, Linux with Kernal

Learn more

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

Lanner kits are described at: For more information visit the following:

- Configuration Guide
- API/SDK
- ORDER here today

ECS ACE+LIVA Q2-Content Management Solution



Kit Overview

A web-based content management system that is designed for remote management and scheduling of the digital signage. The kit offers and includes the following:

- Small and compact design
- Internal cooling fan
- User-friendly interface
- Full PC functionality

Value Prop

- Increase scalability of digital signage players with content updates
- Improve efficiency with centralized monitoring and configuration for all devices
- Increase sales revenue with a business intelligence interface that generates user reports for customers

Geo & Purchase Contacts

Availability: APJ

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Government

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Interactive Media



Kit Components

Intel Component

 Intel[®] Pentium[®] processor N4200. Intel® HD 600 series graphics

Elitegroup Hardware

LIVA Q2 Mini PC

Software

 ACE content management system

Cloud Service Provider

Microsoft Azure

Operating System

Windows, Android

Learn more

Elitegroup Computer Systems For more information visit kits are described at:

http://www.ecs.com.tw/ECSW

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datasheet
- User Guide
- ORDER here today

DataSoft Remote Soil Monitoring



Kit Overview

The Remote Soil Monitoring system continuously measures soil moisture and temperature throughout multiple dispersed locations in real time to gain actionable insights

- Preconfigured and customizable
- Connected over a LoRaWAN

Value Prop

- Increase operational efficiencies by connecting widely dispersed fields
- Maximize crop yields with real-time data and proper control of soil conditions
- Reduce costs and unnecessary effort by eliminating guesswork with remote monitoring

Geo & Purchase Contacts

Availability: Europe, Americas

Intel contact:

Partner contact:

Relevant Verticals

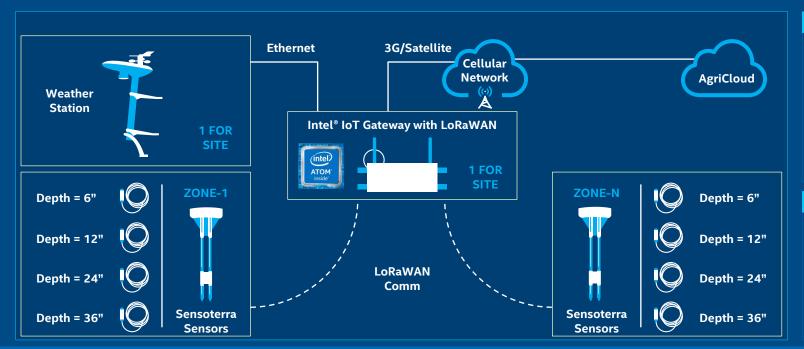
(click to see full list of kits for each vertical)

Agriculture

Relevant Use Cases

(click to see full list of kits for each use case)

> Environment Monitoring



Kit Components

Intel Component

- Intel Atom® processor E3826 **DataSoft Hardware**
- Gemtek Gateway, Cellular Modem, Sensoterra sensors, weather station (optional)

Subscription

 Davra license, technical support

Cloud Service Provider

 Davra Networks. Wind River **Device Cloud**

Operating System

Linux

Learn more

DataSoft kits are described at: For more information visit

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- User Guide
- **Configuration Guide**
- API/SDK
- ORDER here today

IP3 Smart Lighting



Kit Overview

IP3 Smart Lighting is designed to transmit lighting data for remote monitoring and control

- Auto proximity lightness adjustment
- Environment Monitoring
- Alarms for lamp status

Value Prop

- Improve personnel inspection efficiency through an inside G sensor that detects the quality of light
- Reduce energy consumption with integrated light sensors to turn lights on and off automatically

Geo & Purchase Contacts

Availability: Americas, EMEA, ASEAN, PRC, ANZ, APJ

Intel contact:

Partner contact:

foream.sun@ip3-tech.com

Relevant Verticals

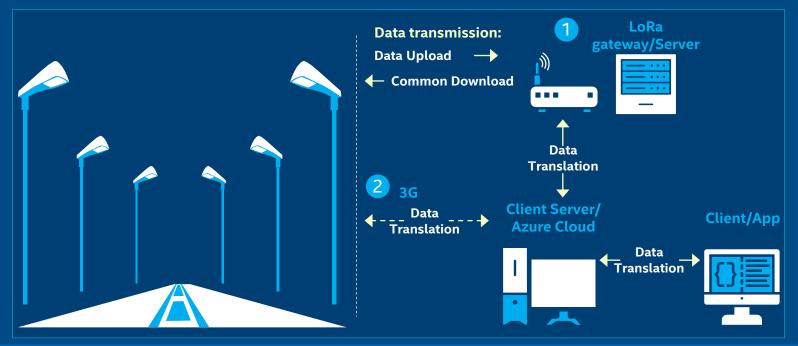
(click to see full list of kits for each vertical)

Energy

Relevant Use Cases

(click to see full list of kits for each use case)

> Energy Monitoring & Management



Kit Components

Intel Component

 Intel® Quark™ C1000 CPU **IP3 Hardware**

 Lighting controller and LoRa gateway

Software

LoRaWAN

Cloud Service Provider

Microsoft Azure **Operating System**

Linux

Learn more

IP3 kits are described at: https://solutionsdirectory.int el.com/member-roster/IP3

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

For more information visit the following:

ORDER here today

Seneca xConnect Remote Management Platform



Kit Overview

xConnect monitors your environment with advanced intelligence and allows you to audit, manage, and maintain all aspects of a security installation from a single, intuitive dashboard.

- Industrial, fanless design
- Internal power for convenient integration

Value Prop

- Reduce downtime with error alerts and system performance monitoring
- Improve operational efficiencies with the ability to gather all relevant data within a video surveillance system on one simple user interface

Geo & Purchase Contacts

Availability: Americas, Europe

Intel contact:

Partner contact:

One Secure Internal

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Retail

Government

Relevant Use Cases

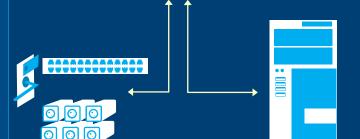
(click to see full list of kits for each use case)

Situational Monitoring

SECURITY NVR WITH XCONNECT AGENT INSTALLED

NVR setup with cameras and view station.





One Secure Internal Connection

Connection



XCONNECT SECURE

Our secure gateway creates an impenetrable physical barrier between the surveillance network and external cloud resources.

XCONNECT HTML5 DASHBOARD

The xConnect dashboard gives a remote user unparalleled secured access to server condition and performance, increasing the uptime and reliability of your critical security networks.

Kit Components

Intel Component

 Intel[®] Celeron[®] processor N3060, Intel® HD Graphics 400 Operating System

Seneca Hardware

XK-FLX Embedded System

Software

xConnect Agent

Cloud Service Provider

Microsoft Azure

Windows

Learn more

IP3 kits are described at:

To learn about Intel IoT kits visit: Intel IoT Kits Overview

- Product Page
- User Guide
- ORDER here today

Future Robot Tech's Smart Camera RVS-2100



Kit Overview

A powerful new generation x86 smart camera that provides advanced image processing, ideal for high-speed, high-resolution industrial imaging

- Rugged design to withstand harsh environments
- Flexible software development
- PWM optics control integrated

Value Prop

- Improve operational efficiencies with production line quick scanning
- Increase data accuracy by reducing human error in warehousing and cargo sorting with outer packaging bar code scanning

Geo & Purchase Contacts

Availability: Europe, PRC

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

amos@futurerobottech.com

Relevant Verticals

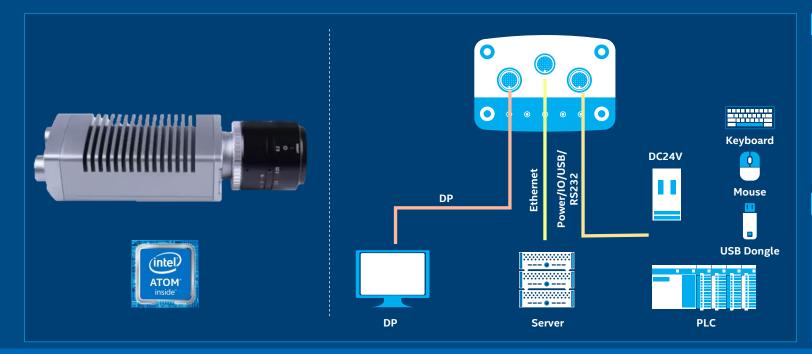
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring Logistics & Tracking



Kit Components

Standard Model:

 Avalue EPC-BYT2 Intel® Celeron® SoC processor J1900 Fanless Tiny System

Cloud Service Provider

Microsoft Azure

Resources

Future Robot Tech's kits are described at:

hhttp://www.futurerobottech.c

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datashee
- Configuration Guide
- API/SDK
- ORDER here today

Advantech Equipment Connectivity Data Gateway



Kit Overview

The Advantech Equipment Connectivity Data Gateway uses industrial equipment data to visualize production information, create optimized production profiles, and more:

- Over 450 PLC drivers
- Plug-and-play self-defined communication protocols
- Distributed digital I/O module

Value Prop

- Reduce the time of software development with WebAccess/HMI that supports over 450 **PLC** drivers
- Enable enhanced cybersecurity with a Microsoft Azure IoT-certified embedded security chip

Geo & Purchase Contacts

Availability: EMEA, Americas, Southeast Asia, APJ, PRC, ANZ,

Intel contact:

Partner contact:

Darren.Chiu@Advantech.com.tw

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

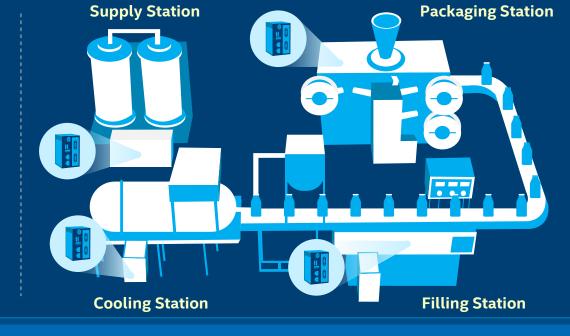
(click to see full list of kits for each use case)

Logistics & Tracking

Situational Monitoring

Asset & Operations Optimization





Kit Components

Intel Components

Intel Atom® x5-Z8350 processor 64-bit, Intel® HD **Graphic Chipset**

Advantech Hardware

Cameras—2.0 MP and 8.0 MP; Sensors—Gyroscope, eCompass, light sensor; Barcode scanner—1D/2D

scanner with physical trigger buttons

Operating System

■ Windows 10, Android 5.x.

Resources

<Partner> kits are described at: For more information, visit

To learn about Intel IoT kits visit: Intel IoT Kits Overview

- ORDER here today

Avalue Medix Care Solution



Kit Overview

The Medix Care Solution enables communication between medical staff and patients, empowering services at the point of care, while providing analytics to facilitate hospital management

- Communication to nursing station
- Digital patient records at bedside
- Wide range of clinical efficiencies

Value Prop

- Improve workflow efficiencies with fast access to records and data
- Enable quicker diagnoses by having in-patient medical information easily and readily available
- Reduce human error by limiting the need for paperwork
- Allow for interactive patient engagement

Geo & Purchase Contacts

The Service call system sends tasks to Care

Givers and other Professionals, Leaving

Nurses available at the Point of Care for

Emergencies and direct Health-related

tasks. This system directly connects to

Nursing Station in case of a Medical

emergency.

Availability: Europe, APJ

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

rus lu@avalue.com.tw

Relevant Verticals

(click to see full list of kits for each vertical)

Health & Life Sciences

Relevant Use Cases

(click to see full list of kits for each use case)

Human Wellness Monitoring Asset & Operations Optimization

The Video Conference Phone has real-time connection to Nurse can access clinical data at any Smart Terminal that The system enables the hospital to connects to the HIS, PACS, The Digital Bedside offer patients services such as Health RIS, and other system Dashboard shows staff & Life Sciences Records, Interactive the patient's information Patient Care, Meal Ordering, and and hospital data in Entertainment, And patients can real time. communicate with doctors via **Medi-View system** Nursing Call System - -**Medi-View**

When patients need a Glass of

Water or a Pillow or to go to the

toilet, they make the request

through the Service Call System

that sends the request to a dedicated Care Team

Kit Components

Intel Components

 Intel Atom® processor Z3735F

Avalue Hardware

 Medi-View (18.5in Medical Panel PC with wall mounting arm)

Software

Medix Platform

Cloud Service Provider

Microsoft AzureOperating System

Android

Resources

Avalue kits are described at:
https://Health & Life
Sciences.avalue-solution
ward-solution

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

For more information, visit the following:

- <u>Datasheet</u>
- ORDER here



Bathroom

Roseek Smart Camera



Kit Overview

A reliable smart camera solution that includes image acquirement, processing, and system communication

- · Essential functions included
- Reliable system stability—a wide working temperature range with a low failure rate Support for Linux and Microsoft Windows

Value Prop

- Maximize value with an open and easy-todevelop platform for support of third-party software while maintaining low costs
- Elevate performance powerful computing capacity and real-time image processing of uncompressed images

Geo & Purchase Contacts

Availability: Global

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

yuzhong.wang@roseek.con

Relevant Verticals

(click to see full list of kits for each vertical)

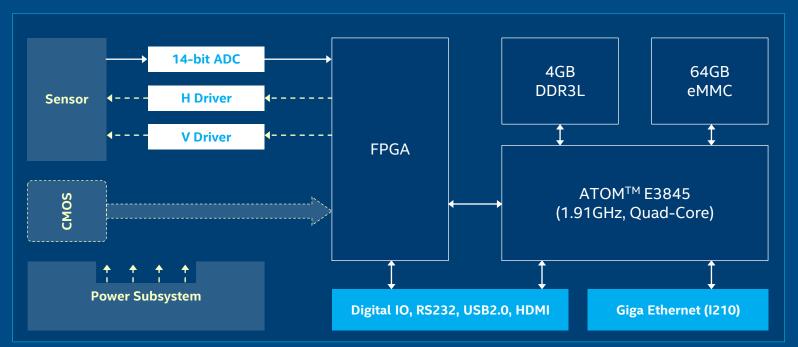
Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Logistics & Tracking

Situational Monitoring



Kit Components

Intel Components

■ Intel Atom® E3845 processor

Roseek Hardware

 0.3–12 MP CCD/CMOS image sensor, HDMI DisplayPort*, two constant current LED drivers

Operating System

64-bit Windows 10 IoT

Enterprise, Linux Ubuntu

Resources

Roseek kits are described at: http://www.roseek.com/en/prduct/cheetah1.html

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datashee
- User Guide
- Configuration Guide
- API/SDK
- ORDER here today

IP3 Intelligent Technology Smart Energy IoT Kit



Kit Overview

Based on Intel® Cyclone®, the Smart Energy IoT Kit is a gateway that acquires and processes realtime data from residential powerlines to monitor and manage energy consumption.

- Wi-Fi or ZigBee compatibility
- Disaggregation service
- Home automation

Value Prop

- Increase interoperability and scalability with easy integration to Intel's Energy Collective Optimization (ECO) systems
- Reduce wasted energy by supporting Demand Energy Response (DER) solutions
- Improve utility operations through comprehensive customer usage and peak load data

Geo & Purchase Contacts

Availability: Europe, APJ

Intel contact:

<u>fp.ready.kits@intel.com</u>

Partner contact:

dark.zhu@sixunited.com

Relevant Verticals

(click to see full list of kits for each vertical)

Energy

Relevant Use Cases

(click to see full list of kits for each use case)

Energy Monitoring & Management



Kit Components

Intel Components

■ Intel® Cyclone® V FPGA SoC

IP3 Hardware

Energy gateway w/ current transformer sensors

Software

FPGA logic

Cloud Service Provider

Amazon Web Services.

Google Cloud Platform
Operating System

■ Ubuntu 16.04

Resources

Shanghai SixUnited Intelligent Technology Co. Ltd. solutions are described at:

http://www.youbo812.com/eng/index.html

To learn about Intel IoT

kits visit: Intel IoT Kits Overview

- Datasheet
- User Guide
- Configuration Guide
- API/SDK
- ORDER here

AOPEN Solutions Smart Scale m-intelligence



Kit Overview

The solution is the first AI enabled, computer vision bulk product scale and labeling system that can recognize products, learn behaviors, and apply business rules at the edge and in the cloud

- Self-service POS
- Machine learning and computer vision

Value Prop

- Reduce wasted stock and inventory by making the check-out process one easy step
- Improve staff efficiency with self-service POS
- Install and scale easily with AOPEN Solutions platform combined with meldCX

Geo & Purchase Contacts

Availability: Americas, APJ, ANZ Intel contact:

rfp.ready.kits@intel.com

Partner contact:

joychua@aopen.com

Relevant Verticals

(click to see full list of kits for each vertical)

Health & Life Sciences

Hospitality

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Product Inspection Situational Monitoring Asset & Operations Optimization

Initial data capture

Machine Learning training unit (meldCX software + AOPEN hardware) captures and tags product images

Human Training

The Human trainer ensures that the correct tag is applied. Images are sent directly to the Azure cloud for storage.

Place bag on scale (i.e. pistachios)

Cloud Training

Cloud-based servers compute the key features of the captured images. The model is optimized using the OpenVINO™ framework before being pushed to devices.

Kit Components

Intel Components

 Intel® Distribution of OpenVINO™ toolkit, Intel® Celeron®, Intel® Core™ processors, Intel® Movidius Myriad 2

AOPEN Hardware

■ eTILE 15, DE3450

Software

 m-intelligence module from meldCX

Cloud Service Provider

 Microsoft Azure, Google Cloud Platform

Operating System

Windows

Edge machine learning

Movidius Compute Stick loads the model to further capture and process data at the edge, including instant product recognition and behavior detection

Human review

Training results are reviewed in the cloud then sent to the model for deployment approval process

Resources

AOPEN kits are described at: AOPEN website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datashee
- User Guide
- Configuration Guide
- API/SDK
- ORDER here

Advantech UTX-3117 with Alleantia 14.0 Plug & Play Solutions



Kit Overview

A plug-and-play IoT gateway that bridges the gap between machines, sensors, and other IT applications by connecting factory equipment

- Wide power range input and IoT Software integration
- Compact, low-power design
- Wide operating temperature

Value Prop

- Simplify your deployment with multi-connectivity, a rich I/O, and support for multiple protocols
- Improve efficiencies by connecting a vast range of factory equipment
- Reduce costs in material handling with increased visibility to factory equipment

Geo & Purchase Contacts

Availability: Americas, Europe, APJ, PRC

Intel contact:

Partner contact:

antonios.tsetsos@Advantech.eu

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

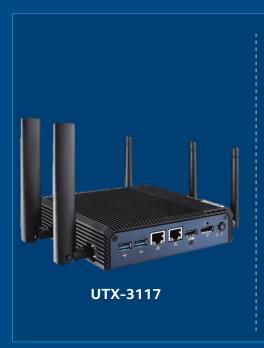
Relevant Use Cases

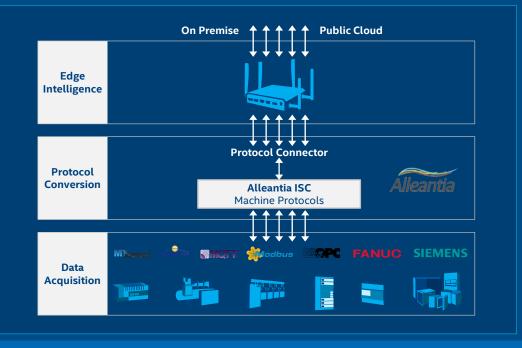
(click to see full list of kits for each use case)

Control Optimization & Autonomy

Product Inspection

Machine Condition Monitoring





Kit Components

Intel Components

■ Intel Atom® processor E3900, Intel® Pentium® processor, and Celeron® processor Nand J-Series

Advantech Hardware

UTX-3117

Software

Alleantia ISC, Windows, Linux

Cloud Service Provider

 Amazon Web Services. Microsoft Azure

Operating System

Windows 10 IoT

Resources

Advantech kits are described at:

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- - ORDER
- User Guide
- **Configuration Guide**
- **REST API**
- MQTT API
- Azure IoT API

ECS Smart Classroom



Kit Overview

Smart Classroom is designed to connect teachers and students with innovative technologies to create an efficient learning environment

- Shock resistant & shatterproof
- Water resistant
- Ceiling mount CMAP with highspeed connectivity

Value Prop

- Enhance student learning experience with functions that promote interaction
- Simplify deployment with simple technology and intuitive design
- Improve efficiencies with a content management access point that allows for 50 Wi-Fi clients to be connected, online, or ofline

Geo & Purchase Contacts

Availability: EMEA, Americas, SEA, APJ, PRC, ANZ

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Education

Relevant Use Cases

(click to see full list of kits for each use case)

Interactive Media

Asset & Operations Optimization

Remote Management Wi-Fi Connection ·)) **Contents upload** and download

Cloud integration

- Data & Analytics
- Remote Management
- Performance Monitoring

Edge Computing

- Connectivity management
- Data Collection & Storage
- Integrated with Cloud



Device Connectivity

- Wi-Fi 802.11 ac 2x2 (2.4GHz/5GHz dual-band)
- Computing Performance

Kit Components

Intel Components

 Intel[®] Core[™] i3/i5 processor, Intel® Celeron® processor N4000/N4100/N5000

ECS Hardware

 Tablets, laptops, interactive flat panel, content management access point (CAPM)

Software

Inspiring Knowledge Education Software (iKES). Content Hub system

Operating System

Windows, Linux

Resources

Elitegroup Computer Systems Co., For more information, LTD. Solutions are described at:

https://www.ecs.com.tw/ECSWebS Datasheet

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

visit the following:

- User Guide
- ORDER here

QuEST ThirdEye – Vision Analytics Platform on Intel® Distribution of OpenVINO™ Toolkit



Kit Overview

This kit is a comprehensive, Al powered solution that automates security, surveillance, predictive maintenance, inspection, and more for your business

- Facial recognition
- Product inspection
- Video analytics
- Identification of persons, vehicles, and other objects

Value Prop

- Expand monitoring capabilities with a userfriendly dashboard, powered by real-time analytics
- Enhance decision making with real-time alerts to act on emergent situations during day to day operations
- Enhance existing infrastructure with easy integration

Geo & Purchase Contacts

Availability: EMEA, Americas, SEA, APJ, and PRC

Intel contact:

<u>rfp.ready.kits@intel.com</u>

Partner contact:

aastha.pandey@Mobiliya.com

Relevant Verticals

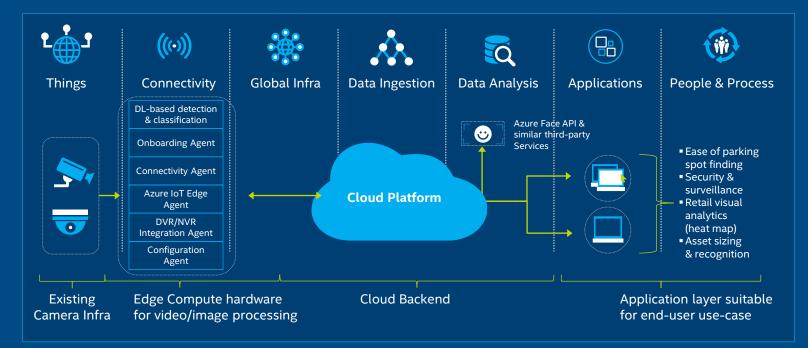
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring Logistics & Tracking



Kit Components

Intel component: Intel® Core™ i3/i5 processors, Intel® Celeron® processors N4000/N4100/N5000

OS Support: Windows, Linux

Software: Inspiring Knowledge Education Software (iKES),

Content Hub system

Hardware: Tablets, laptops, interactive flat panel, content

management access point (CAPM

Learn more

QuEST solutions are described at: https://www.mobiliya.com/

To learn about Intel IoT solutions visit:

https://www.intel.com/cont

things/overview.html

- Product Page
- Kit Introduction
- User Guide
- ORDER here

Gorilla IVAR Analytics Appliance, Powered by BCDVideo (Basic/Premium)



Kit Overview

Gorilla IVAR real-time analytics gives insight into business and operations. Protect your business with eventbased solutions that effectively search and track people, vehicles, and objects

- Detect suspicious behavior
- Search, find, and track people, vehicles, and objects
- Build watchlist based on suspicious activity

Value Prop

- Improve security with the ability to detect suspicious events with behavior analysis and facial recognition
- Integrate easily with reliable and scalable architecture that works with most IP cameras or existing surveillance system
- Enhance insight into your business with video analytics

Geo & Purchase Contacts

Availability: Europe, Americas, Southeast Asia, APJ, PRC, ANZ, (Premium also available in Africa/Middle East)

Intel contact:

winniakvinton@gorilla-technology.com

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Hospitality

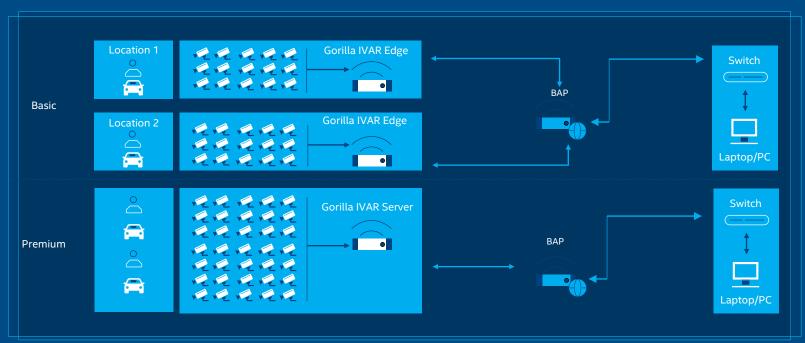
Retail

Government

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring



Kit Components

Intel component: Intel® Core™ i7-8700, Intel® Xeon® Gold (Premium only) Intel® Distribution of OpenVINO™ toolkit, Intel® Movidius™ Myriad™ GOR-8I7-2TB-2 X (Basic only)

Software: Gorilla Smart Surveillance Software

Basic Hardware: 2x BCDSF01-GOR-817-2TB-2

Premium Hardware: BCD208X-GOR-134-12T-4, BCDSF01-

OS: Ubuntu 16.04 or Windows

Learn more

Gorilla solutions are described

at: gorilla-technology.com

BCDVideo solutions are described at: BCDVideo.com For more information visit the following:

Product Page

ORDER Gorilla Software

ORDER BDCVideo Hardware

AAEON Up Squared RoboMaker Developer Kit



Kit Overview

Powered by the Intel® Distribution of OpenVINO™ toolkit the RoboMaker is a reference development kit designed to build autonomous mobile robots (AMR).

- UP Bot simulation
- Voice commands
- Navigation and person recognition

Value Prop

- Reduce time to deployment with a complete solution stack, including
- Scale easily with a highly customizable and upgradable kit
- Extend the open-source robotics software framework, ROS, with connectivity to cloud services

Geo & Purchase Contacts

Availability: EMEA, Americas, SEA, APJ, PRC, ANZ

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

alingwu@aaeon.eu

Relevant Verticals

(click to see full list of kits for each vertical)

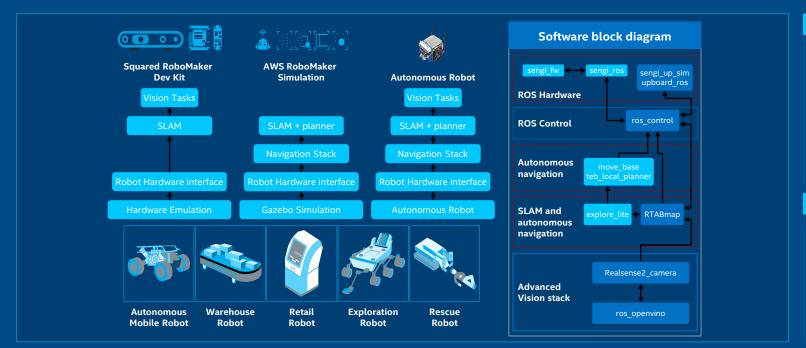
Retail

Hospitality

Relevant Use Cases

(click to see full list of kits for each use case)

Product Inspection Situational Monitoring Asset & Operations Optimization



Kit Components

Intel component: Intel® Apollo Lake CPU, Intel® Movidius™ Myriad™ X, Intel® RealSense™ Camera, Intel® Distribution of OpenVINO™ toolkit

OS Support: Ubuntu

CSP: Amazon Web Services **Software:** AWS RoboMaker

Hardware: UP Squared board, RealSense D435i Camera, AI Core X

Mini PCle

Learn more

AAEON solutions are described at:

AAEON website

To learn about Intel IoT solutions visit:

IoT Solutions Overview

- Datasheet
- User Guide
- Configuration Guide
- API/SDK
- ORDER here

Siemens AG MindSphere Edge to Cloud PaaS



Kit Overview

MindSphere is a cloud-based, open IoT system that connects your products, plants, systems, and machines, enabling you to harness the wealth of data generated by the IoT with advanced analytics

- Product intelligence
- MindSphere store to distribute and purchase applications

Value Prop

- Decrease time to deployment by developing robust IIoT solutions faster with open-source platforms
- Improve decision making with data driven insights
- Increase operational efficiencies with MindSphere's easy-to-use platform and full support for social and mobile collaboration

Geo & Purchase Contacts

Availability: EMEA, Americas, SEA, APJ, PRC, ANZ

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

chris.schroeder@siemens.com

Relevant Verticals

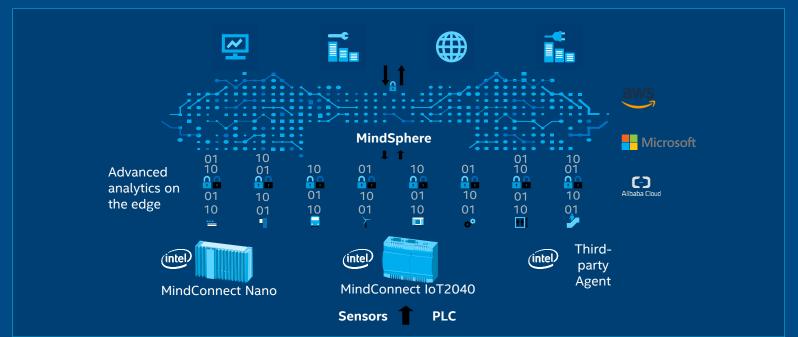
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Asset & Operations Optimization



Kit Components

Intel component: Intel® Celeron® processor, Intel® Gateways & Edge Servers, Intel® SSD, Intel® Data Center

CSP: Microsoft Azure, Amazon Web Services, Alibaba Cloud **Software:** MindSphere related and others as third-party

applications

Hardware: MindConnect Nano and third-party agents

Learn more

Siemens AG solutions are described at:

https://new.siemens.com/global/en.html

To learn about Intel IoT solutions visit:

https://www.intel.com/conterwww/us/en/internet-of-things/overview.html

- <u>Datasne</u>
- User Guide
- Configuration Guide
- API/SDK
- ORDER here

Xvisio vSLAM Edge Computing Solution for AR Glasses and Robotics



Kit Overview

Powered by Intel® Movidius™, this kit offers high-speed vSLAM and Al capabilities on the edge for AR glasses, and tracking and navigation of robotics and AGV applications

- Mapping and navigation with computer vision
- Obstacle avoidance and recognition

Value Prop

- Deploy easily with a cost-effective complete solution for quick product integration
- Customize sensor configuration for specific applications with a flexible, AI-ready platform
- Install anywhere with a space saving and battery operational design

Geo & Purchase Contacts

Availability: Africa/Middle East, Europe, Americas, Southeast Asia, APJ, PRC, Australia/New Zealand

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Transportation

Other

Relevant Use Cases

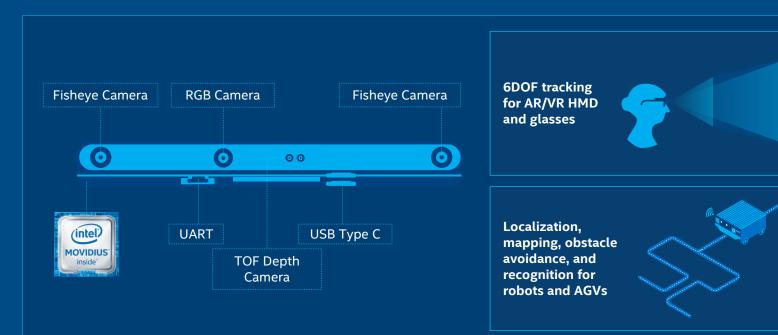
(click to see full list of kits for each use case)

Machine Condition Monitoring

Logistics & Tracking

Product Inspection

Control Optimization & Autonomy



Kit Components

Intel component: Intel® Movidius™ Myriad™ 2, Intel® Movidius™ Myriad™ X, Intel® Distribution of OpenVINO™ toolkit, Intel® Movidius™ Neural Compute SDK/SDK2

OS: Windows, Ubuntu,

Android, ROS

Software: vSLAM components

Hardware: 2 fisheye cameras, RGB camera, TOF depth camera, IMU

Learn more

IEI XvisioTech solutions are For more information visit described at: xvisiotech.com

To learn about Intel IoT solutions visit:

nt/www/us/en/internet-ofthings/overview.html

- xVisio Technology
- **ORDER** here

NCTech Imaging iSTAR Pulsar+ Mobile 360 Data Capture Solution



Kit Overview

iSTAR Pulsar+ simplifies streetlevel data capture and GIS workflows by providing a completely autonomous, edge-tocloud solution for capturing 11K 360-degree panoramic images at up to 7 frames per second

- iSTAR Pulsar mobile app
- Certified for Google Street View
- Mount for vehicles or backpacks

Value Prop

- Quickly and efficiently document construction progress, inside and out
- Effectively document assets, record of areas requiring repair, or maintenance
- Assess road conditions with high-resolution output imagery, with geotagging to pinpoint the location of problem areas

Geo & Purchase Contacts

Availability: EMEA, Americas, SEA, APJ, PRC, ANZ

Intel contact:

rfp.readv.kits@intel.com

Partner contact:

andrew.baddeley@nctechimaging.

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing	Hospitality	Government
Energy	Agriculture	Other
	Transportation	

Relevant Use Cases

(click to see full list of kits for each use case)

Situational	Asset & Operations	Energy Monitoring &
Monitoring	Optimization	Management



Kit Components

Intel component: Intel® Celeron® processor N3350

OS Support: Windows, Linux

Software: NCTech Immersive Studio + SDK **Hardware:** iSTAR Pulsar+ 360 imaging device

Learn more

NCTech Imaging solutions are described at:

<u>www.nctechimaging.com</u>

To learn about Intel IoT solutions visit:

https://www.intel.com/conterwww/us/en/internet-of-things/overview.html

For more information visit the following:

Datasheet
User Guide
Configuration Guide
ORDER here today

JWIPC Smart Retail & Vending Kit



Kit Overview

The Smart Retail & Vending Kit is an interactive vending kiosk with computer vision that allows individuals to open the vending machine door, choose a desired SKU, and close the door. Payment is done automatically once the door is closed.

- Weighting sensor management
- Facial recognition

Value Prop

- Reduce equipment cots and increase space for SKUs with computer vision technology
- Improve user experience with the freedom to choose your desired SKU or change SKUs before shutting the door

Geo & Purchase Contacts

Availability: PRC

Intel contact:

<u>rfp.ready.kits@intel.com</u>

Partner contact:

zhuxingzi@jwele.com.cn

Relevant Verticals

(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Interactive Media

Logistics & Tracking



Kit Components

Intel Component

 Intel® Skylake CPU core i5, Intel® Distribution of Intel OpenVINO™ toolkit, Intel® Media SDK

JWIPC Hardware

Industrial Gateway M055

Software

JD.com

Cloud Service Provider

Jcloud

Operating System

Ubuntu

Learn more

JWIPCkits are described at: For more information visit

www.jwipc.net

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datashee
- User Guide
- API 1Y
- API 2F
- ORDER here

ASUS Intelligent Edge Solution for Smart Retail



Kit Overview

ASUS Intelligent Edge Solution for Smart Retail is an AI edge-computing solution with a versatile computer and exclusive software. When combined with an IP or USB camera the kit supports services such as device management, remote monitoring and control, and data visualization.

Value Prop

- Uncover new insight on customer traffic and in-store behavior
- Ensure optimal performance even in harsh conditions with a solution that adapts to the surrounding environments
- Maintain GDPR compliance with a solution that does not capture, store, or process personal information

Geo & Purchase Contacts

Availability: Africa/Middle East, Europe, America, Southeast Asia, Asia/Pacific/Japan, PRC, Australia/New Zealand

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

chiaohui chang@asus.com

Relevant Verticals

(click to see full list of kits for each vertical)

Transportation

Retail

Education

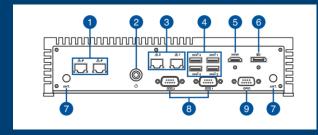
Relevant Use Cases

(click to see full list of kits for each use case)

Logistics & Tracking

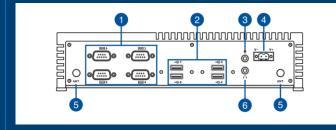
Situational Monitoring

Front View



1.LAN port with PoE 2.Power Button 3.LAN Port 4.USB 3.2 Gen 2 port 5.HDMI port 6.Dual-mode DisplayPort
7.Antenna hole
8.Serial (COM)
connector
9.GPIO connector

Rear View



1.Serial (COM)
connector (on
selected models)
2.USB 2.0 Port (on
selected models)
3.Microphone

4.Power input 5.Antenna hole 6.Headphone jack

Kit Components

Intel Component

 Intel® Core™ i7/i5/i3, Intel, and the Intel® Distribution of OpenVINO™ toolkit

ASUS Hardware

ASUS PE200U

Software

ASUS IEC Vision

Cloud Service Provider

Microsoft Azure

Learn more

ASUS kits are described at:

https://www.asus.com/us/

To learn about Intel IoT kits visit:
Intel IoT Kits Overview

- Datashee
- User Guide
- Configuration Guide
- ORDER here

Honeywell MAXPRO VMS and MAXPRO NVR



Kit Overview

This kit is an open, flexible, and scalable IP video surveillance system that uses Honeywell cameras to provide high-definition IP recordings.

- Simple and logical configuration
- Easy to use web clients and mobile apps
- Intuitive integration

Value Prop

- Develop more valuable insights with improved analytic recognition of face detection
- Improve video processing performance by providing faster processing of more video through Intel technology
- Maintain compliance with technology that follows data privacy guidelines such as GDPR

Geo & Purchase Contacts

Availability: EMEA, Americas, SEA, APJ, ANZ

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

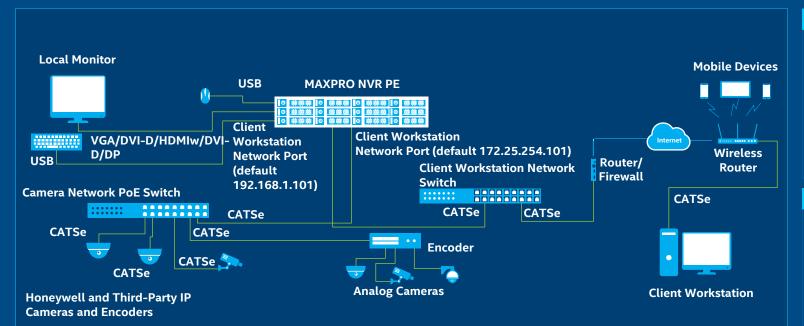
Manufacturing Hospitality Education Energy Retail Other Health & Life Sciences Transportation

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring Asset & Operations Optimization

Logistics & Tracking



Kit Components

Intel Component

■ Intel® Distribution of OpenVINO™ toolkit, Intel® Xeon® Silver 4110. Intel® Core[™] i7

Honeywell Hardware

 MAXPRO Network Video Recorder (NVR) PE, Dell R540 Server, Client Workstation

Software

- MAXPRO VMS, NVR **Operating System**
- Windows

Learn more

Honeywell kits are described For more information visit the following:

 User Guide To learn about Intel IoT

 Configuration Guide API/SDK request

kits visit: Intel IoT Kits Overview

ORDER here today

Vecow Smart Factory Solution (SFS)



Kit Overview

Vecow's Smart Factory solution allows customers to unleash the power of factory data by extracting real-time data from machine controllers. The machine data aggregated by the solution can help customers optimize their industrial process to maximize efficiency and save on excess waste.

Value Prop

of real-time

machine data

- Save on manufacturing costs with a predictive maintenance solution that can help avoid costly rework Gather real-time machine data with a solution that aggregates large amounts
- Optimize factory processes by remotely analyzing utilization rates, machine downtime, and other KPIs

Geo & Purchase Contacts

Availability: Taiwan, China, Germany, India, Thailand, Denmark

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Control Optimization & Autonomy

Logistics & Tracking

Asset & Operations Optimization

Data collection on the factory floor Data aggregation/ analysis/presentation **Factory Endpoints Cloud Analytics User Readouts** ServCore Internet **ADSL** Cellular Connection Assembly line QR code attached to machines **Factory Operator** with Tablet

Kit Components

Intel Component

- **Vecow Hardware**

Vecow SPC-5600 Software

 Device Management is based on Teamviewer, Zoom, and Anydesk

Cloud Service Provider

- Intel® Core™ i7/i5/i3 processor
 AWS, Microsoft Azure, Other **Operating System**
 - Windows, Ubuntu

Learn more

Vecow Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

Vecow kits are described at: For more information visit the following:

- User Guide
- API/SDK
- ORDER here today

Kontron TSN Real Time ETH Switch Solution



Kit Overview

A hardware and software upgrade solution for existing PLCs, box PLCs, gateways, and industrial servers. This kit offers easy entries into time sensitive networking and facilitates the easy integration of endpoint devices into a TSN network.

- Flexible FPGA Card Design
- Pre-installed TSN platform

Value Prop

- Reduce time to deployment with a ready-togo solution
- Scale easily and increase flexibility with a modular series structure
- Reduce repair costs and ensure a prolonged product lifespan with a maintenance free design

Geo & Purchase Contacts

Availability: Europe; Americas

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

eleonore.arlart@kontron.com

Relevant Verticals

(click to see full list of kits for each vertical)

Transportation

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Logistics & Tracking

TSN/Bulk Traffic

Kit Components

Intel Component

• Intel® Core™ Model i5-4300U, Intel® HD Graphics 4400

Gateway

HPE GL20 IoT

Operating System

Linux

Learn more

Kontron kits are described at:

Kontron Website

To learn about Intel IoT kits visit:
Intel IoT Kits Overview

- Datasheet
- User Guide
- North America Order Request
- Global Order Request

LIPs Path Planning (for Automated Plasma Spray System)



Kit Overview

Value Prop

A path planning kit that guides maneuvering strategies with an integrated 3D camera and proprietary algorithm to plan a path for robotic arms in an automated plasma spray system enabling high quality and efficient surface processing

 Mitigate health risks with a system that utilizes robotic arms to administer potentially hazardous materials

- Cut labor costs by automating repetitive manufacturing and quality control tasks
- Improve product efficiency and quality through streamlined, vision-controlled processes that can reduce human error

Geo & Purchase Contacts

Availability: Africa/Middle East, Europe, Americas, Southeast Asia, Asia/Pacific/Japan, PRC, Australia/New Zealand

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

meilu@lips-hci.com

Relevant Verticals

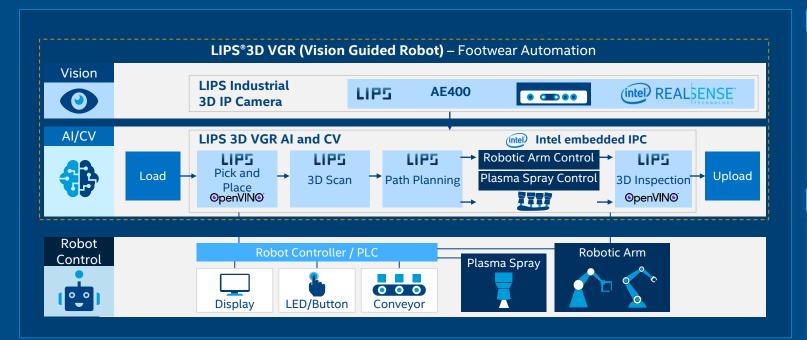
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Control
Optimization &
Autonomy



Kit Components

Intel Component

Intel® RealSense™, Intel®
 Core™ i5 processor

LIPS Hardware

 3D depth active stereo camera, USB cable, USB HUB, Key Pro, IPC

Cloud Service Provider

Other

Software

 Lips Path Planning Software, PLC Communication software, Movement path generator, Fanuc robot controller communication software

Operating System

Windows

Learn more

LIPS kits are described at:

https://www.lips-hci.com/

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

IOTECH Open IoT Edge Platform



Kit Overview

An open solution for retail, manufacturing, and industrial systems that combines an IoT Platform with integrated computer vision and multi-application provisioning. The solution supports local analytics, decision making, and cloud-based application provisioning that simplifies application lifecycle management.

Value Prop

Simplify the connection and management of data sources and applications with a flexible, open solution
 Ingest, normalize, aggregate process, and analyze device and sensor data and respond to results in real time

Geo & Purchase Contacts

Availability Europe; America

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

steve.jennis@iotechsys.com

Relevant Verticals

(click to see full list of kits for each vertical)

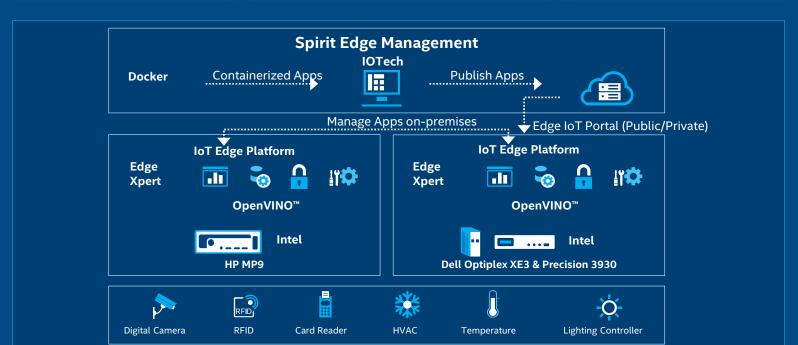
Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

Logistics & Tracking



Kit Components

Intel Component

Intel® Core™ i3, i5, & i7, Intel®
 Xeon® E and Intel® Pentium® processors, Intel® Celeron®, and Intel® Distribution of
 OpenVINO™ toolkit

IOTECH Hardware

 Dell Optiplex XE3 and 3930 Rack Workstation, HP MP9 Retail Server

Software

 IOTech's Edge Xpert IoT Platform, Spirit Edge Management

Cloud Service Provider

Private/On-Premises

Operating System

Ubuntu, SUSE*

Learn more

IOTECH kits are described at:

<u>IOTech website</u>

To learn about Intel IoT kits visit:
Intel IoT Kits Overview

- User Guide
- Configuration Guide
- Technical Spec
- ORDER request

Gorilla in-store analytics, Powered by BCDVideo



Kit Overview

Gorilla In-Store Analytics collects intelligent analytical data from video sources and is an essential tool to gain business insights of single to multi-store floor spaces and improve store management. The kit delivers shopper demographics, (gender and age), people counting, and shopper identification to retail and hospitality industries

Value Prop

- Enhance insight into your business with video analytics, enabling you to understand your customer's behavior with: people counting, merchandise activity, aisle traffic, dwell time as well as age & gender analysis
 Access data easily with a cloud service and
- Access data easily with a cloud service and web-based user interface that operates across several devices

Geo & Purchase Contacts

Availability: Europe, Americas, Southeast Asia, Asia/Pacific/Japan, Australia/New Zealand

Intel contact:

<u>rfp.ready.kits@intel.com</u>

Partner contact:

winniekvinton@gorillatechnology.com

Relevant Verticals

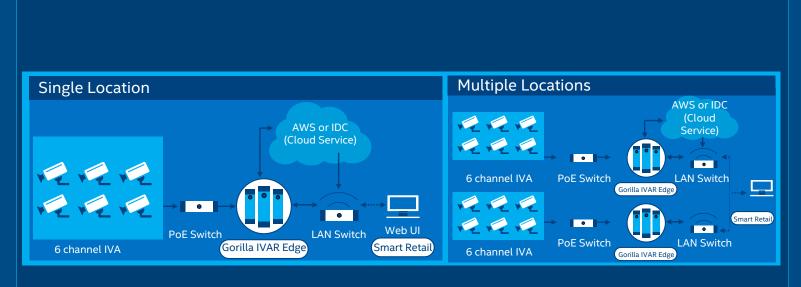
(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring



Kit Components

Intel Component

Intel® Core™ i7-8700

Gorilla Hardware

■ IVAR Edge - BCDSF01-GOR-817-2TB-2

Software

 Intel® Distribution of OpenVINO™ toolkit

Operating System

Ubuntu 16.04 or Windows 10 64 bits

Learn more

Gorilla solutions are described at:

gorilla-technology.com

BCDVideo solutions are described at: BCDVideo.com

To learn about Intel IoT solutions visit:

IoT Solutions Overview

- Datasheet
- User Guide
- Configuration Guide
- API/SDK
- Gorilla ORDER request
- BCDVideo ORDER request

Softdel Systems Edifice Edge Platform



Kit Overview

Softdel's EdificeEdge based on Intel's Edge Insights for Buildings, is an advanced data aggregation platform that delivers real time and historical data for improving building performance. The platform addresses specific building operators for midsize and large-size commercial buildings.

Value Prop

- Enable new services with mix/match protocols, applications, and a flexible container-based architecture Protect aggregated data at rest with advanced security and authentication
- procedures Upscale hardware as needed with a flexible container-based architecture that can add

high compute nodes within the same stack

Geo & Purchase Contacts

Availability Africa/Middle East, Europe, Americas, Southeast Asia, Asia/Pacific/Japan, PRC, Australia/New Zealand

Intel contact:

Partner contact:

swapnil.kulkarni@softdel.com

Relevant Verticals

(click to see full list of kits for each vertical)

Government

Manufacturing

Other

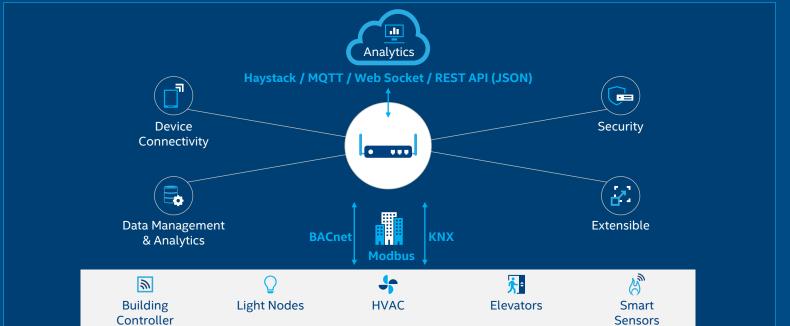
Relevant Use Cases

(click to see full list of kits for each use case)

Logistics & Tracking

Energy Monitoring & Management

Machine Condition Monitoring



Kit Components

Intel Component

 Edge Insights for Buildings framework, ODM gateway w/ OS, Intel Atom® processor, Intel® Core™ processor, Intel® Xeon® processor

Operating System

Ubuntu 16.04 Server (LTS)-64-bit

Softdel Hardware

Choose appropriate variant depending on Edge compute and edge storage requirements

Software

 BACnet/Modbus Container. Havstack Container, Web UI for data point configuration

Learn more

Softdel kits are described at: For more information visit

To learn about Intel IoT

kits visit:

Intel IoT Kits Overview

- Kit Introduction
- ORDER here today

Atlas RFID Store Intel RSP H3000 Integrated RFID Reader Development Kit



Kit Overview

The solution is a low-cost platform for developing and deploying RFIDbased applications. The Intel® RSP H3000 Integrated RFID Reader is an easy-to-install, overhead sensor that collects accurate inventory information. Designed to work stand-alone, or as a "plug-and-play" solution where additional readers can easily be added.

Value Prop

information

• Reduce cost of implementation by offering an affordable RFID reader and configuration options that reduce necessary hardware and software programming/applying settings Deploy easily with all essential hardware and software needed to begin collecting accurate

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Americas; Southeast Asia; Asia/Pacific/Japan; PRC; Australia/New Zealand

Intel contact:

Partner contact:

partners@atlasrfidstore.com

Relevant Verticals

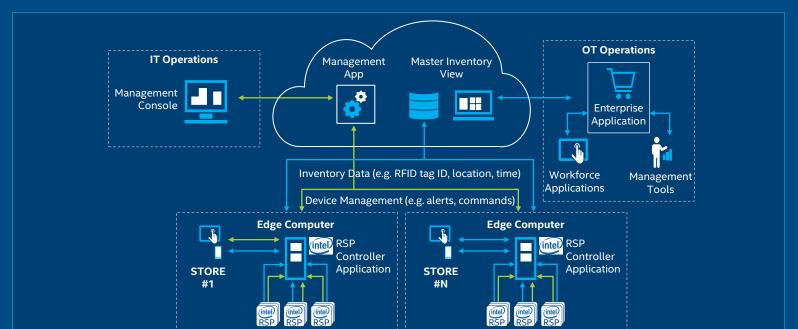
(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

> Logistics & Tracking



Kit Components

Intel Component

 Intel[®] Core[™] i3 processor, Intel® NUC, Intel® RSP H3000 Integrated RFID Readers

Atlas Hardware

 Intel NUC Core i3 Edge Computer

Software

RSP Software Toolkit

Cloud Service Provider

Private/On-Premises

Operating System

Windows 10 IoT*

Learn more

atlasRFIDstore solutions are For more information visit described at:

To learn about Intel IoT solutions visit:

Intel IoT Overview

- User Guide
- Configuration Guide
- API/SDK
- ORDER here today

Yanzhi Ali LinkVisual NBox



Kit Overview

The Ali LinkVisual Nbox is a video cloud platform that offers storage, forwarding capabilities, and Al functions on video streams.

- Video intelligence
- Video data transmission channel encryption
- Cloud connection solutions for video devices

Value Prop

- Increase performance with high stability and high concurrent platform capability
- Enhance security with video data transmission channel encryption to prevent data leakage
- Improve efficiencies with online video algorithm labeling, training, and configuration delivery tools

Geo & Purchase Contacts

Availability: PRC

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

gth@rt-ics.com

Relevant Verticals

(click to see full list of kits for each vertical)

Retail

Government

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

Internet Pixel Camera Edge Media Server Surveillance Video **Visual Target/Event** Global Search/Monitoring and tracking Global hub 0 **Media Station Bit-stream Transmission** O LinkVisual Video Storage O Cloud **Video AI Analysis Internet Pixel Camera Edge Media Server** Surveillance Video O Decoder 0 O

Kit Components

Intel Component

 Intel® Distribution of OpenVINO™ toolkit, Intel® Core™ i5-6500 Pro

Yanzhi Technology Hardware

NBox

Software

Ali Link Edge

Cloud Service Provider

Alibaba Cloud

Operating System

OS with docker support

Learn more

Yanzhi Technology solutions For more information visit are described at: the following:

http://www.rt-

ics.com/index.htm

To learn about Intel IoT

kits visit:

Intel IoT Kits Overview

■ Datachast

- User Guide
- Configuration Guide
- API/SDK
- ORDER here

Volteo Inventory and Asset Management Via RFID



Kit Overview

Volteo combines Intel's state-ofthe-art RFID technology with AxonEdge to provide powerful, manageable, and cost-effective intelligent edge asset and inventory management-addressing discrepancies as they happen to correct them before they accumulate to ensure accuracy.

Value Prop

- Tailor lesson plans to increase student engagements with key insights Capture and correct inevitable discrepancies between centralized information systems and what's happening in your business as they occur
- Track asset/inventory locations, movements, and counts with intelligent edge systems

Geo & Purchase Contacts

Availability:

Europe; Americas; Southeast Asia

Intel contact:

Partner contact:

Relevant Verticals

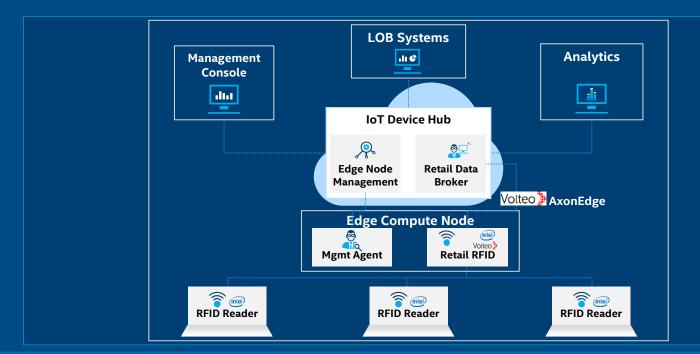
(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

> Logistics & Tracking



Kit Components

Intel Component

■ Intel® RSP H3000 RFID Reader, ■ Volteo AxonEdge Intel® NUC powered by Intel® Core[™] i7 processors

Volteo Hardware

■ PoE+ Switch unifi 8-150W; Edge router Ubiquiti EdgeRouter X

Software

Cloud Service Provider

Amazon Web Services **Operating System**

Ubuntu

Learn more

Volteo solutions are described at:

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Additional Docs
- White Paper
- Volteo website
- Solutions Alliance Page

ADLINK ROS2 Autonomous Mobile Robot Controller ROScube



Kit Overview

A robotic development platform to help the creation of robot applications in professional-use service robots. The kit can be used to guide autonomous mobile robots and autonomous mobile industrial robots

Value Prop

- Easily integrate application requirements with tools, module portfolios, and a compatible environment included with the kit
 Reduce end-to-end expenditure from
- Reduce end-to-end expenditure from purchase to disposal, including expected costs of service, and a decreased warranty
- Enhance communications from a system that connects multiple devise via DDS

Geo & Purchase Contacts

Availability: Europe, Americas, APJ, PRC

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

bill.wang@adlinktech.com

Relevant Verticals

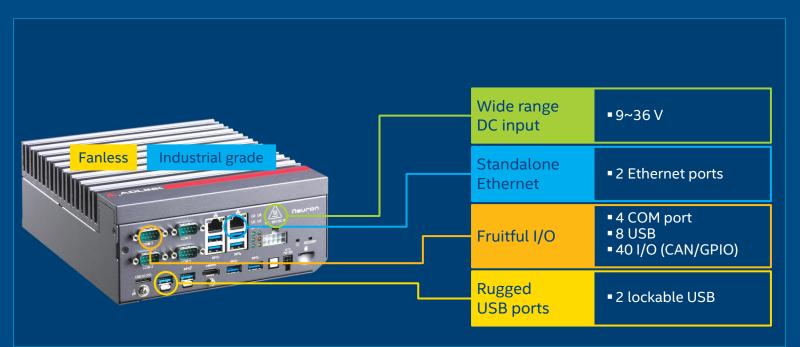
(click to see full list of kits for each vertical)

Transportation

Relevant Use Cases

(click to see full list of kits for each use case)

Control
Optimization &
Autonomy



Kit Components

Intel Component

 Intel® Core™ i7/i5/i3 processors, Intel® Xeon® processors

ADLINK Hardware

■ ROScube - I

Software

Original ROS/ROS 2 environment, ADLINK Neuron SDK, Intel® Distribution of OpenVINO™ toolkit

Cloud Service Provider

AWS

Operating System

Other

Learn more

ADLINK solutions are described at:

<u>www.adlinktech.com</u>

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Product Page
- Deployment Details
- ORDER here

IBASE Al Education Platform



Kit Overview

Comprehensive AI deep learning and edge computing solution for educational providers to collect student's behavior and engagement data using facial recognition. Facial recognition AI can interpret student data to be quantifiable allowing educators to provide efficient teaching in educational environments.

Value Prop

- Tailor lesson plans to increase student engagements with key insights gathered from Al facial recognition
 Track behavioral data with Al image analysis
- Track behavioral data with AI image analysis through facial recognition to understand and improve student experiences

Geo & Purchase Contacts

Availability: Global

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

alice@ibase.com.tw

*If there are strict privacy laws or security concerns facial recognition can be removed

Relevant Verticals

(click to see full list of kits for each vertical)

Education

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring Logistics & Tracking

Facial Recognition Skeleton Detection Behavior Identification

Kit Components

Intel Component

Intel® Core™i7/i5/i3
 processors, Intel® Movidius™
 Myriad™ X (option)

iBASE Hardware

 IBASE SI-62S system, Yuan SC550N4, 3G-SDI Full HD Camera

Software

 Intel® Distribution of OpenVINO™ toolkit, Yuan AI QDEEP SDK

Cloud Service Provider

Private/On Premises

Operating System

Windows

Learn more

IBASE kits are described at: For more information visit

iBASe website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datasheet
- Configuration Guide
- API/SDK
- ORDER here

UP AIM2 Retail Suite



Kit Overview

A ready-to-go kit for unknown identity tracking and monitoring of how a person interacts with specific brands in a retail store environment

- Real-time video analysis on the edge
- GDPR compliant
- Preloaded AIM2 Retail
 Suite software

Value Prop

- Improve insight on customer preferences by extracting identities, demographics, engagements, and behaviors
- Inform strategic business decisions on product placement and product inventory by identifying how a person interacts with brands

Geo & Purchase Contacts

Availability: Americas, EMEA, APJ, ASEAN, PRC, ANZ

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

alingwu@aaeon.eu

Relevant Verticals

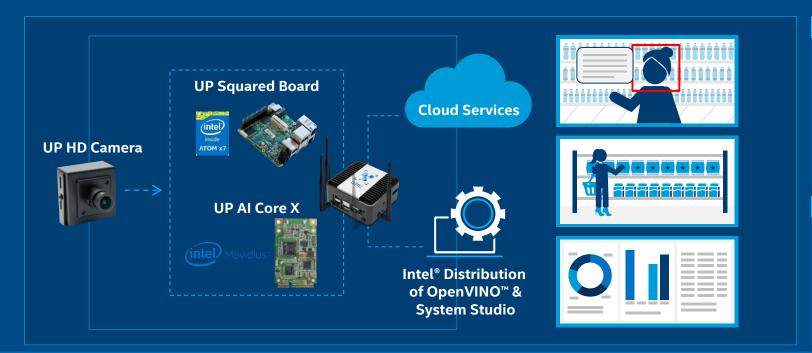
(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring Logistics & Tracking



Kit Components

Intel Component

 Intel® Distribution of OpenVINO™ toolkit, Intel® Movidius™ Myriad 2, Intel Atom® x7-E3950

Software

AIM2 Retail Suite

UP Hardware

 UP Squared Board, UP HD Camera, UP AI Core X, power supply

Cloud Service Provider

Microsoft Azure and Amazon Web Services

Learn more

UP solutions are described at:

www.up-shop.org

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

For more information visit the following:

ORDER here

Stratus Technologies ZTC Edge Solution



Kit Overview

Stratus Technologies ztC Edge Solution is a zero-touch, reliable, secure, highly automated computing platform, specifically designed for industrial edge environments

Value Prop

- Increase efficiency by simplifying and shortening time to deployment with a virtualization host, data protection, and swappable nodes
- Improve security with restricted USB ports, secure communication, active integration, and easy to configure firewall
- Reduce Downtime with ztC Edge's selfmonitoring and self-protecting features

Geo & Purchase Contacts

Availability: Globally available

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

Rudy.deAnda@stratus.com

Relevant Verticals

(click to see full list of kits for each vertical)

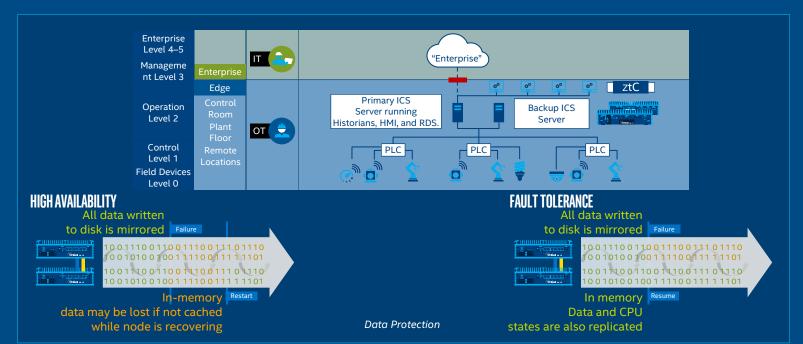
Energy

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Energy Monitoring & Management



Kit Components

ztC Edge 100i – medium capacity		ztC Edge 110i – high capacity (includes fault tolerance)	
Intel	Intel® Core™ i7- 6700TE	Intel	Intel® Core™ i7- 8700T
OS	Windows and Linux	OS	Windows and Linux

Learn more

Stratus Technologies solutions are described at: https://www.stratus.com/

To learn about Intel IoT kits visit:
Intel IoT Kits Overview

- Datasheet
- ORDER here

IPG Gearbox



Kit Overview

Gearbox is an appliance that monitors and manages Industrial IoT devices and networks

- IIoT device inventory and health checks
- IIoT network services
- On-premise caching for firmware upgrades
- Gateway and secure transport services

Value Prop

- Improve security with encryption and secure gateway services for IIoT devices and networks
- Enhance performance with on-premises caching and staging for critical maintenance and management operations
- Optimize functionality by synchronizing the devices and networks within an organization

Geo & Purchase Contacts

Availability: Americas

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

chad@gazos.com

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing	Hospitality	Government
Energy	Transportation	Health & Life Sciences

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring	Environment Monitoring	Logistics & Tracking
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Generator PLC's ---- Camera

Kit Components

Intel Component

- Intel® NUC Quad i7 Skylake
 IPG Hardware
- GB19-FN-A1, GB19-SN-A1 **Software**
- Gearbox Software Build V1.0

Cloud Service Provider

Amazon* Web Services; Private/On-Premises

Learn more

IPG solutions are described at: http://ipg.gazos.com

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Datasheet
- User Guide
- Configuration Guide
- Cyber Water
- ORDER here

Axiomtek AMS Starter Kit with Modbus for Environmental Signal Monitoring



Kit Overview

A plug-and-play a solution with integrating hardware platform and software service for IoT applications

- Web-based management suite (AXView 3.0)
- Built-in Modbus protocol
- Supports communication protocols such as MQTT, TCP, UDP, and HTTP

Value Prop

- Develop data driven insights with a dashboard, that provides easy data visualization
- Improve efficiencies with built-in Modbus protocol for managing I/O devices or sensors
- Reduce downtime with 24/7 online system monitoring and alarm triggering

Geo & Purchase Contacts

Availability: EMEA, Americas, SEA, APJ, PRC, ANZ

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

candice@axiomtek.comtw

Relevant Verticals

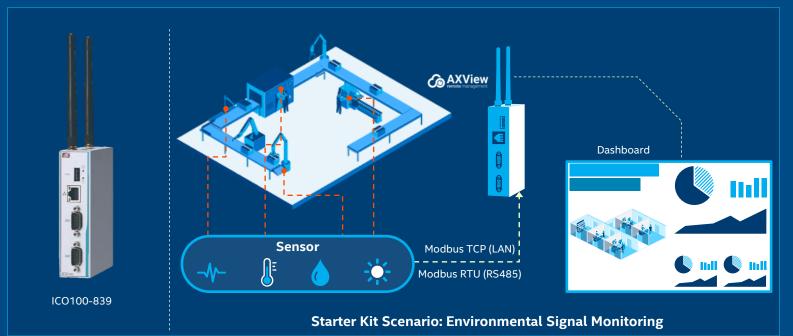
(click to see full list of kits for each vertical)

Government

Relevant Use Cases

(click to see full list of kits for each use case)

Environment Monitoring



Kit Components

Intel Component

 Intel® Celeron® processor N3350, Intel® I211-AT, or Intel® I210-IT

AxiomtekHardware

 ICO100-839, and humidity, temperature, and light sensors

Software

Agent MaaS Suite (AMS)

Cloud Service Provider

Microsoft AzureOperating System

Yocto, Linux

Learn more

Axiomtek solutions are described at:

nttps://axiomtek.com/

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Starter Kit datasheet
- Hands-on Lab
- AMS Introduction
- AMS datasheet
- ORDER here

Exor Multi Protocol IIoT Gateway with Cloud Connectivity



Kit Overview

A smart edge gateway designed to communicate between industrialautomation devices, the cloud, fog, and applications for near plug-andplay simplicity of implementation.

- Supports OPC UA and TSN
- Compatible with CODESYS V3
- Ready for Corvina Cloud 2.0

Internet of Things Group

Value Prop

- Reduce deployment time with straightforward wireless connectivity and compatibility with legacy equipment
- Scale easily with plug-in modules for system expansion
- Improve security with Corvina Cloud secure remote connection

Geo & Purchase Contacts

Availability: Americas; Africa/Middle East; Europe; Southeast Asia; Asia/Pacific/Japan; Australia/New Zealand

Intel contact:

rfp.ready.kits@intel.com

Partner contact:

mark.olding@exorint.com

Relevant Verticals

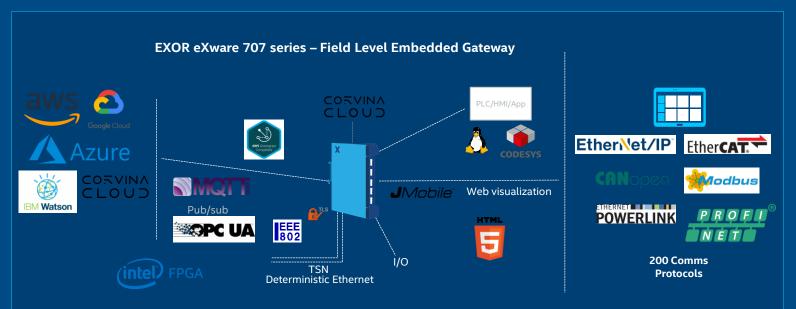
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Control
Optimization &
Autonomy



Kit Components

Intel Components

 Intel® Cyclone® V FPGA SoC, Intel® Cyclone® V FPGA

Exor Hardware

- eXware 707T, eXware 707Q,
- eXware 707T (TSN-enabled)Software
- Linux, Jmobile, CODESYS,
- Connectivity Stack

Cloud Service Provider

 AWS, Google Cloud Platform, Microsoft Azure, Private/onpremises, Corvina Cloud

Operating System

Windows, Linux

Resources

Exor kits are described at:

https://www.exorint.com/en/

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Exor website
- eXware 707T Product Page
- eXware 707 Product Page
- Product Videos
- ORDER here

Shuttle Computer Access Control to POS



Kit Overview

Shuttle Computer Access Control to POS is a highly modern and efficient POS terminal equipped with facial recognition. The solution enhances security by preventing unauthorized access, improves operational efficiency, and increases customer satisfaction with fast, smooth transactions.

Value Prop

- Reduce costs by eliminating the need to purchase both displays and media players.
- Improve reliability with non-stop operation through exclusive heat pipe cooling technology
- Enhance security with highly accurate facial recognition that functions as a standalone access control

Geo & Purchase Contacts

Availability: Americas, EMEA, APJ, PRC

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Retail

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Logistics & Tracking

Standby Mode

Face recognition can help in enhancing the effectiveness methods to keep your POS Safe.



Log-in Mode

Easy and speedy facial unlock to secure the sensitive area of your business.



Unlock Mode

Now you can access and operate your business with high efficiency and security.

Kit Components

Intel Components

 Intel[®] Celeron[®] processors, Intel® Core™ i3 processors

Shuttle Computer Hardware

■ 15.6" LCD Panel, Webcam

Software

 Shuttle Computer POS Access Control Software

Operating System

Windows 10, Linux

Resources

Shuttle Computer kits are described at:

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- User Guide
- Specification Information
- ORDER here

Advantech Intelligent Platform with Azure IoT Edge



Kit Overview

Extend cloud intelligence and move analytics to edge devices. Organizations can focus on business insights, such as streaming analytics, OPC UA publisher, Modbus, and other high value AI modules deployed from the cloud to the edge to support diverse applications.

Value Prop

- Boost productivity and response times with data insights
- Extend Cloud intelligence and analytics to edge devices to support diverse applications and generate insights
- Improve security and connectivity with secure cloud communications and edge intelligence

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Americas; Southeast Asia; APJ; PRC; Australia/New Zealand

Intel contact:

Partner contact:

Chia.tu@advantech.com.tw

Relevant Verticals

(click to see full list of kits for each vertical)

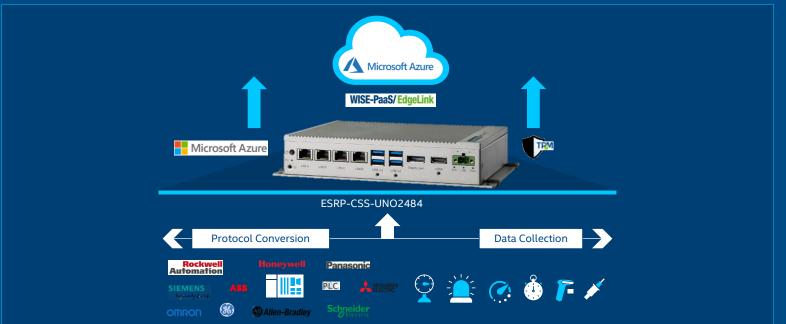
Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Asset & Operations Optimization

Logistics & Tracking



Kit Components

Intel Components

• Intel® Core™ i5-7300 (2.6 GHz)
• Microsoft Azure IoT Edge

Advantech Hardware

- UNO-2484G-7531AE
- 8 GB RAM
- 32 GB SS

Software

- Advantech WISE-PaaS/EdgeLink

Cloud Service Provider

Microsoft Azure

Operating System

AdvLinuxTU

Resources

Advantech kits are described at:

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- User Guide
- Configuration Guide
- ORDER request

Vehant TrafficMon® (Traffic Monitoring Solution)



Kit Overview

A video-based traffic enforcement and management solution that is powered by AI and machine learning. It offers violation detection capabilities like red light jump, over speeding, no helmet riding, wrong way driving, triple riding, and various other traffic violations in real time.

Value Prop

- Enhance capability with a complete evidence capturing mechanism
- Improve safety by decreasing road accidents and casualties with real-time traffic violation information
- Improve staff efficiency by augmenting their capabilities around law enforcement

Geo & Purchase Contacts

Availability: APJ

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Government

Transportation

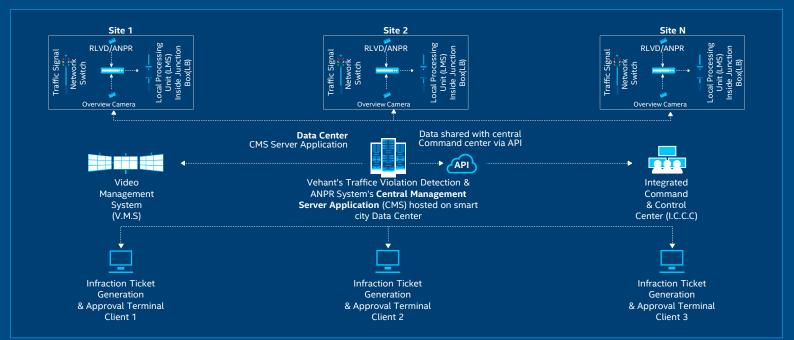
Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

Environment Monitoring

Asset & Operations Optimization



Kit Components

Intel Components

- Intel® Core™ i7 processors
- Intel Chipset Q or H series
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Media SDK

Vehant Hardware

- ANPR Camera x1. Overview Camera x1, IR Illuminator Set x1, Local Processing Unit x1
- Camera Clamps

Software

- VehiScan® ANPR
- TrafficMon® Violation Detection
- TrafficMon® Central Processing
- TrafficMon® Central **Processing GUI**

Resources

Vehant kits are described at: For more information visit **Vehant Solutions**

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

the following:

- Kit Introduction
- ORDER here today

Agent Vi – innoVi Al at the Edge Kit



Kit Overview

Agent Vi's innoVi AI at the Edge kit uses advanced algorithms to perform deep learning inferencing at the edge. This allows innoVi to execute automatic classification of objects with precision, without the need for special configuration or tweaking.

Value Prop

camera

- Deploy easily with deep learning at the edge to scale video analytic capabilities
 Reduce costs with the ability to connect innoVi Edge to any ONVIF/RTSP fixed IP
- Improve security with innoVi's high probability detection and low false alarm rate

Geo & Purchase Contacts

Availability: Taiwan, China, Germany, India, Thailand, Denmark

Intel contact:

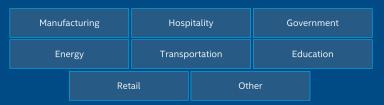
<u>rfp.ready.kits@intel.com</u>

Partner contact:

sales@agentvi.con

Relevant Verticals

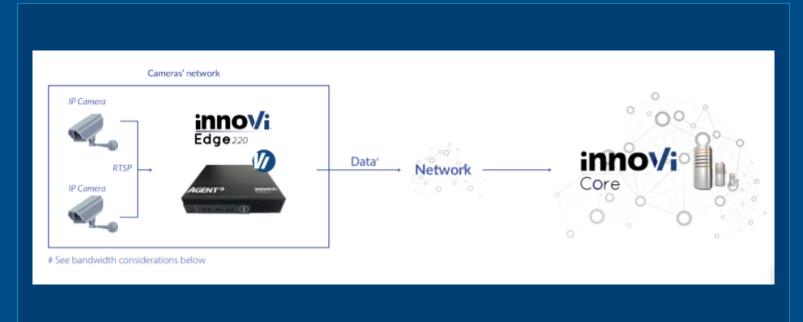
(click to see full list of kits for each vertical)



Relevant Use Cases

(click to see full list of kits for each use case)

Situational	
Monitoring	Interactive Media



Kit Components

Intel Components

 Intel® Core™ i3-8100T processors

Agent Vi Hardware

• innoVi Edge 300 & 325 appliance

Software

- innoVi SW application
- innoVi Core

Cloud Service Provider

- AWS
- Google Cloud

Operating System

Ubuntu

Resources

Agent Vi kits are described at:

Agent Vi Products

To learn about Intel IoT kits visit:
Intel IoT Kits Overview

- Product Brochure
- ORDER here

Blue Line Technology Retail Glance Safety and Security Kit



Kit Overview

Blue Line Technology's Retail Glance Safety and Security Kit is combination of software, security appliance station, and server that provides intelligent surveillance for bolstered security. The kit uses its facial recognition platform to act as a valuable virtual security resource for threat detection, access control, and concierge applications.

Value Prop

- Increase employee and patron satisfaction with a proactive security technology
- Automate monitoring and immediately identify internal and external threats
- Lower risk of crime through fast-acting, automated virtual security guard to reduce robberies, and associated costs

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Americas; Southeast Asia; Asia/Pacific/Japan; Australia/New Zealand

Intel contact:

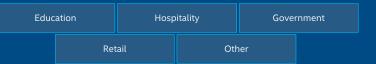
kasia.l.hanson@intel.com

Partner contact:

ddeason@bluelinetechnology.com

Relevant Verticals

(click to see full list of kits for each vertical)



Relevant Use Cases

(click to see full list of kits for each use case)

Situational Interactive Media

Blue Line Technology Internet of Things Architecture *IoT Architecture *Open System Interfaces *Real Time Edge Processing Master Database Copy and *Dell Optiplex 5070 appliances are scalable **Event Management Cloud** *First Line solution scalable for multiple Server remote building locations *All Processing takes place at the edge *Patented software *Entire database in main memory at the edge **Dell Optiplex 5070** *Entire database in main memory at the edge with Intel Inside® *Entire facial recognition, identification, verification -----Managed PoE switch **IP Router Dell Optiplex 5070** Segmented VLAN with Intel Inside® **Mobotix IP** Hanwha IP Camera **Axis IP Camera** Turnstile - Card Door - Card Reader **Axis IP Camera Metal Detector** Camera in development

Kit Components

Intel Components

Intel® Core™ i5-9500 processors

Hardware

■ Dell Opti-plex 5070

Software

 Blue Line Technology First Line Glance Access software

Cloud Service Provider

Private Cloud Server

Operating System

Windows

Resources

Blue Line Technology kits are described at:

Blue Line Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

For more information visit the following:

- Kit Introduction
- Blue Line Technology website
- Order Here*

*For qualified resellers who have received technical sales training from Blue Line Technology $\,$

QNAP Systems QuCPE IoT Solution



Kit Overview

ONAP OuCPE IoT solution is a smart retail solution that integrates surveillance, facial recognition, customer flow analysis, and edge devices. With QuCPE IoT Solution, retailers can implement network management from the cloud to ensure in-store POS performance, Wi-Fi service, and IP camera functionality.

Value Prop

- Increase control through centralized largescale application deployment and cloud management
- Reduce complexity with increased resource visibility in single IT structure
- Save time with faster deployment through **Zero Touch Provisioning**

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Americas; Southeast Asia; Asia/Pacific/Japan; PRC; Australia/New Zealand

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

> Logistics & Tracking

QNAP Smart Retail Solution on QuCPE (AI->BI->CI->DI)

Edge Computing Artificial Intelligence Person Detection People Re-ID Multi-Cam

OpenNESS

Edge Application

DPDK

OpenVINO

Mustang-V100-MX8

OuCPE-7011-IXD on-premise uCPE

POS Data Integration

Business Intelligence

QuWAN



ONE



Big Data Analysis Customer Insight





Data Integration

Strategy Forming

Marketing result prediction Behavior prediction

Purchase model

QNAP VNF "service composer"

- QNAP QuWAN / SD-WAN
- · QNAP QuAI / Interference engine
- QNAP VM marketplace
- QNAP AMIZ cloud management
- · Hardware acceleration
- · High availability

Kit Components

Intel Components

■ Intel® Xeon® D processors. Intel® Xeon® Scalable processors, Intel® Movidius™ VPU. Intel® ARRIA® 10 FPGA, Intel® Data Plane Development AWS, Private/On-premises Kit, Intel® Distribution of OpenVINO™ OpenNESS

QNAP Systems Hardware

QNAP QuCPE

Software

- QuWAN, QVR Pro, Retail Pro **Cloud Service Provider**

Operating System

ONAP ONE OS

Resources

QNAP Systems kits are described at:

QNAP Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- ONAP website
- Standard Docker Container
- Virtualization Station
- OloT Developer Tutorial
- ONAP Client Development Kit

meldCX Cloud Console



Kit Overview

An enterprise platform that allows users to scale and accelerate their business by providing the architecture needed to build or reuse, deploy, and manage commercial applications from a single dashboard.

- Skip OS testing by developing and deploying on any major OS
- Create easy to use dashboards

Value Prop

- Scale and accelerate digital capabilities with a cloud enabled digital transformation solution
- Bring legacy systems online by choosing from a large stack of ready to deploy applications
- Improve process efficiencies by controlling applications throughout the network

Geo & Purchase Contacts

Availability: Europe, Americas, APJ, Australia, and New Zealand

Intel contact:

<u>rfp.ready.kits@intel.com</u>

Partner contact:

joy@meldcx.com

Relevant Verticals

(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Asset & Operations Optimization

Without meldCX With meldCX Use meldCX AI modules Link to meldCX autonomous engine Schedule & Data Pipes Build your GreenField apps from out blocks OS image Use existing meldCX SaaS products Scheduling Rapidly develop Bring any third-party web application new use cases meld cx Device Lockdown Cross-platform, build or bring into once for all major OS Al & edge Connectors Certificates · Cross platform uses any cloud (Google / Microsoft) Set the foundation to your project using the meldCX base

Kit Components

Intel Components

- Intel[®] Core[®] processors
- Intel® Movidius™ VPU
- Intel® Distribution of OpenVINO™ toolkit

Software

- Chrome OS
- Windows 10

Android

Cloud Service Provider

- Google Cloud Platform
- Microsoft Azure

Operating System

All major operating systems

Resources

meldCX kits are described at:

https://www.meldcx.com/

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Configuration Guide
- API/SDK
- ORDER here

SkyLab Multi-Access Edge Computing (MEC)



Kit Overview

This kit offers operators highperformance edge computing for low latency. By automating critical data feeds, this kit significantly reduces the costly backhauling of high volumes of data at the edge.

- Run Kubernetes for container orchestration
- Run in-built load balancing and self-healing functionalities

Value Prop

Edge Network

- Respond to critical information faster with on-site data processing
- Improve latency and cost savings by offloading the backhaul network at the edge
- Deploy and manage easily through MEC devices with built-in load balancing and selfhealing functionalities

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Southeast Asia; Asia/Pacific/Japan; PRC; Australia/New Zealand

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing Hospitality Retail

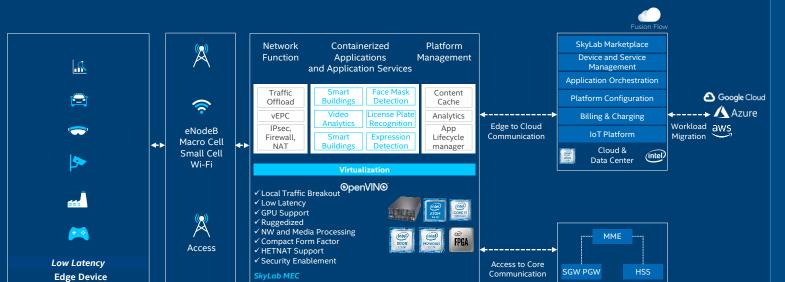
Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring **Machine Condition** Monitoring

Asset & Operations Optimization

Control Optimization & Autonomy



Kit Components

Intel Components

 Intel® Xeon® processors, Intel®
 SkyLab MEC Core[™] processors, Intel[®] Movidius, Intel® FPGA, Intel® Distribution of the OpenVINO™ toolkit, Intel Atom®processors, Intel[®] Celeron[®] processors

SkvLab Hardware

eTILE 15. DE3450

Software

Cloud Service Provider

 AWS, Google Cloud Platform, Microsoft Azure, Digital Ocean, Private/On-premise

Operating System

SkvLab MEC-OS

Resources

SkyLab kits are described at:

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

For more information visit the following:

- MEC Overview / MEC Brochure
- IGX Overview / IGX Brochure

- ORDER here today

Core Network

SkyLab Transport Accelerator (STA)



Kit Overview

The SkyLab Transport Accelerator (STA) kit is a proprietary network transport protocol, designed to optimize transport layer performance

- Adaptive congestion control
- Transparent turn reduction
- SkyLab Transportation Acceleration protocol
- Multipath delivery

Value Prop

- Reduce network failures and loss of data with network connection switching
- Improve network performance by eliminating unnecessary handshakes
- Optimize bandwidth performance by using adaptive congestion control

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Southeast Asia; Asia/Pacific/Japan; PRC; Australia/New Zealand

Intel contact:

fp.ready.kits@intel.com

Partner contact:

sehsieng.eng@skylabteam.com info@skylabteam.com

Relevant Verticals

(click to see full list of kits for each vertical)

Government

Energy

Transportation

Relevant Use Cases

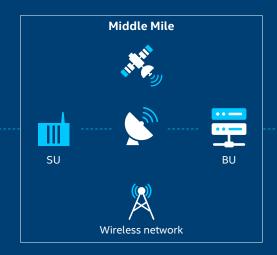
(click to see full list of kits for each use case)

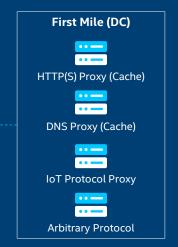
Logistics & Tracking

Asset & Operations Optimization

Control
Optimization &
Autonomy

Last Mile PLC Sensor User Device







Private Network

Kit Components

Intel Components

 Intel® Xeon® E3-1240v6 processors, Intel® Celeron® J1900 processors

SkyLab Hardware

 STA-SC-3000, STA-MZ-9500, IGX-RX-1100-PLUS

Software

 SkyLab Transport Accelerator proprietary software

Cloud Service Provider

 AWS, Google Cloud Platform, Microsoft Azure, Private

Operating System

SkyLab STA-OS, IGX-OS

Resources

SkyLab kits are described at: https://www.skylabteam.com

To learn about Intel IoT kits visit:
Intel IoT Kits Overview

- STA Introduction
- STA Unboxing/ Set-up
- <u>IGX Overview</u> / <u>IGX Brochure</u>
- Customer Videos
- ORDER here today

Logitech Room Solution



Kit Overview

Pre-configured to an Intel® NUC, the Logitech Room Solution makes video conferencing rooms easy to setup and use for Microsoft Teams, Zoom, and Google Meet by delivering a comprehensive bundle that includes a conference camera, Logitech Tap touch controller, and RightSense[™] technology.

Value Prop

- Boost user productivity with touch-to-join simplicity and instant content sharing
- Save time and resources with easy-to-install bundles
- Maximize asset value by installing a solution that can be changed or upgraded without replacing the system

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Americas; Southeast Asia; Asia/Pacific/Japan; PRC; Australia/New Zealand

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Interactive Media

Kit Components Intel Components ■ Intel® NUC8i7BEH TV (w/RAM & SSD)

Logitech Hardware Logitech Conference Cam

(MeetUp, Rally, Rally Plus for S/M/L), Logitech Tap touchscreen with proximity detection & ultrasound. Accessories such as Mounting Windows 10 Kits & expansion mics

Software

Logitech Sync and Cloud Vendors integrated management components

Cloud Service Provider

- Microsoft Teams (O365)
- Zoom
- Google Meet

Operating System

Learn more

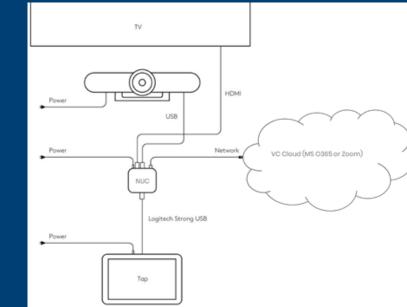
Logitech kits are described

Logitech Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Tap Webpage
- Meetup Webpage
- Rally Webpage
- Rally Ultra HD Webpage



tinyGO Al Edge Module Kit



Kit Overview

Powered by Intel, the tinyGO AI Edge Module Kit packages together Al algorithms, software, and hardware for computer vision solutions. This kit addresses issues commonly experienced in security surveillance, including monitoring inefficiency, poor customer experiences, and high costs.

Value Prop

- Integrate easily with a wide range of deep learning visual recognition algorithms
- Increase solution efficiency by processing AI algorithms locally on an edge module
- Enable deep learning for industrial and surveillance applications with low-power consumption

Geo & Purchase Contacts

Availability: PRC

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

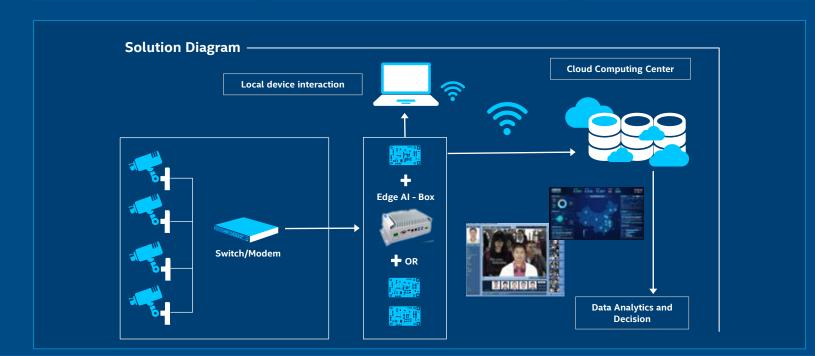
Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

Assets & Operations Optimization



Kit Components

Intel Components

Intel® Movidius™ Myriad™ 2

tinyGO Hardware

- Kit bundle 1: G38A AI Edge computing Embedded board
- Kit bundle 2: G80A NN Acceleration module
- Kit bundle 3: G51A mPCle Al Edge Module

Software

Software SDK

Operating System

- Windows
- Android
- Clear Linux

Resources

tinyGO kits are described at: To learn about Intel IoT tinyGo Website

kits visit:

Intel IoT Kits Overview

RFRain RFR-IMS-SMART



Kit Overview

RFRain RFR-IMS-SMART kit gives systems integrator a genuine plugn-play RTLS asset tracking solution based on UHF Passive RFID technology. The kit is designed to save the systems integrator time and money on development. Companies can use the RFR-IMS kit to track and manage inventory, people, and assets remotely in real time through preferred device.

Value Prop

- Reduce time to deploy and implement an RFID system that immediately starts reading tags in real time Offer an economical kit that reduces RFID
- deployment costs by lowering the number of hardware devices needed
- Gain high upsell potential with a scalable, easy-to-use RFID solution with ranging applications across verticals

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Americas; Asia/Pacific/Japan; PRC; Australia/New Zealand

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Transportation		Hospitality		Education	
Manufacturing		Energy Other		:her	
	Health & Life Sciences		Ret	ail	

Relevant Use Cases

(click to see full list of kits for each use case)

otimization onomy	Product I	nspection	Ot	:her
Situat Monit		Interactiv	⁄e Media	

Kit Components

Intel hardware

- Intel® Xeon® processors **RFR IMS hardware**
- RFR-RAIN-4-SMART
- UHF RFID Antennas
- Dell PowerEdge T340 Tower Server

RFRain software

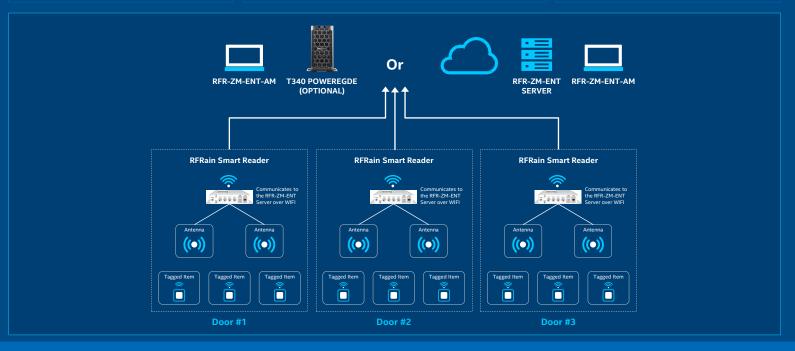
- RFRAIN Zone Manager C
- **Cloud Service Provider**
- Cloud agnostic **Operating System**
- Ubuntu
- Loud-based Software



RFRain solutions are described at the RFRain

To learn about industrial solutions from Intel, visit:

- Linen Tracking Case Study
- HME DME Tracking Case Study
- Retail Theft Prevention Case Study



ADLINK Edge Smart Cameras with FogHorn Edge Analytics



Kit Overview

The ADLINK Edge Smart Cameras with FogHorn Edge Analytics kit integrates with ADLINK Edge™ IoT middleware and FogHorn's powerful Lightning advanced analytics platform. The kit releases the power of your operational data and enables intelligent decisionmaking by giving you access to deeper insight from advanced analytics, AI, and machine learning.

Value Prop

- Capture image data including barcodes or other defined items
- Combine data from previously unconnected equipment
- Access valuable operational data instantly, continuously, and securely

Gateway Service

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Americas; Asia/Pacific/Japan; PRC

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

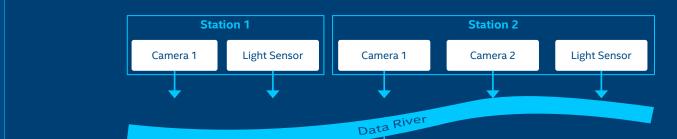
Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

Logistics & Tracking

Asset & Operations Optimization



Input has wildcard expressions in TagGroup: *:com.adlinktech.example:v1.?

Replicate data to a connected

Kit Components

Intel Components

processors, Intel® Core™ i3-6100E Processors, Intel® Core[™] i7-6820EQ processors

ADLINK Hardware

 4 Channel Dynamic Signal Acquisition Module, ADLINK Edge™ IoT Middleware

Software

■ Intel Atom® E3950 Apollo Lake ■ Foghorn's Lighting and LightningML

Cloud Service Provider

 AWS, Microsoft Azure Google Cloud Platform

Operating System

Windows, Linux

Resources

ADLINK kits are described at: **ADLINK Solutions**

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- User Guide (C++)
- User Guide (Java)
- Configuration Guide
- API/SDK

ADLINK Edge Smart Gateways with FogHorn Edge Analytics



Kit Overview

ADLINK's Edge IoT solution for smart gateways includes edge hardware, real-time data-streaming software, and industry-leading FogHorn edge analytics to enable smarter, more effective, and safer equipment monitoring. The kit integrates data collection, equipment analysis algorithms, and real time streaming to FogHorn Lightning edge analytics platform.

Value Prop

- Offer simple and fast setup with preconfigured to stream raw data to FogHorn Lightning or any major cloud platform
- Withstand extreme industrial environments with rugged edge hardware design
- Decease latency of data communication to/from the cloud with edge computing

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Americas; Asia/Pacific/Japan; PRC

Intel contact:

daphne.chen@intel.com

Partner contact:

stephen.gereb@adlinktech.com

Station 1 Camera 1 Light Sensor Camera 1 Camera 2 Light Sensor Input has wildcard expressions in TagGroup: "com.adlinktech.examplev1.? Gateway Service Replicate data to a connected subsystem

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Control
Optimization &
Autonomy

Environment Monitoring

Kit Components

Intel Components

- Intel Atom® E3950 Apollo Lake
- Intel® Core™ i3-6100E
- Intel® Core™ i7-6820EO

ADLINK Hardware

- 4 Channel Dynamic Signal Acquisition Module
- ADLINK Edge[™] IoT Middleware

Software

 Foghorn's Lighting and LightningML

Cloud Service Provider

- AWS
- Microsoft Azure
- Google Cloud Platform

Operating System

- Windows
- Linux

Resources

ADLINK kits are described at: For more information visit

https://www.adlinktech.com/ en/Machine Condition Moni toring Solution

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- User Guide (C++)
- User Guide (Java)
- Configuration Guide
- API/SDK

DEEPSIGHT YODA-100



Kit Overview

DEEPSIGHT YODA-100 kit is a vision controller that uses deep learning technology to detect appearance defects in industrial products. Users can pass the software performs image annotation, deep learning model configuration, and training to achieve high-accuracy recognition.

Value Prop

- Boost efficiency and reduce labor costs in factory lines by implementing computer vision kit to enhance defect detection of industrial products
- Achieve accuracy of more than 99% through automated Al-driven detection processes
- Use deep learning technology to address pain points during product defect detection

Geo & Purchase Contacts

Availability: PRC Intel contact:

Partner contact:

kyle@deepsight.ai

Relevant Verticals

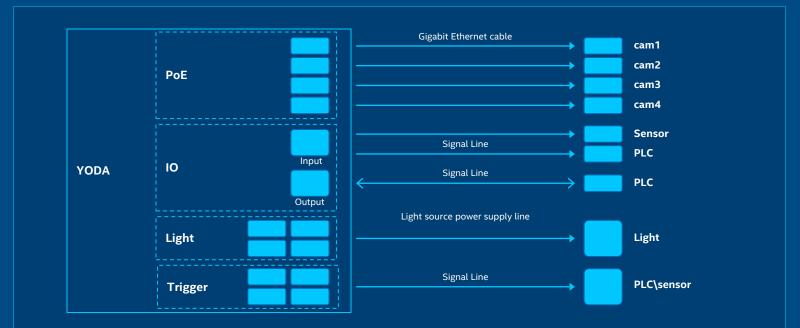
(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

> Product Inspection



Kit Components

Intel Components

Intel® Core™ i7-6700 processor, Intel Z170 chipset processor, Intel LREC9724HT- Cloud Service Provider Poe processor

Hardware

■ HDDL (Mustang-V100-MX8)

Software

 Intel[®] Distribution of OpenVINO™ toolkit

 Amazon Web Services Microsoft Azure

Operating System

Windows, Ubuntu

Resources

DEEPSIGHT kits are described at:

DEEPSIGHT Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

For more information visit the following:

API/SDK

Vecow VHub Al Developer



Kit Overview

Vecow's VHub AI Developer offers a kit with deep learning, model training, and labeling capabilities for comprehensive development of computer vision AI applications. Through additional pre-trained model SDKs, VHub AI Developer helps system integrators speed up development processes without expending any extra effort.

Value Prop

- Streamline workflows in any industry through versatile computer vision model training
- Accelerate deployment with immediate access to pre-trained deep learning models
- Decrease total cost of ownership with a single program solution that can easily scale to meet customer needs

Geo & Purchase Contacts

Availability: Africa/Middle East; Europe; Americas; Southeast Asia; Asia/Pacific/Japan; PRC; Australia/New Zealand

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

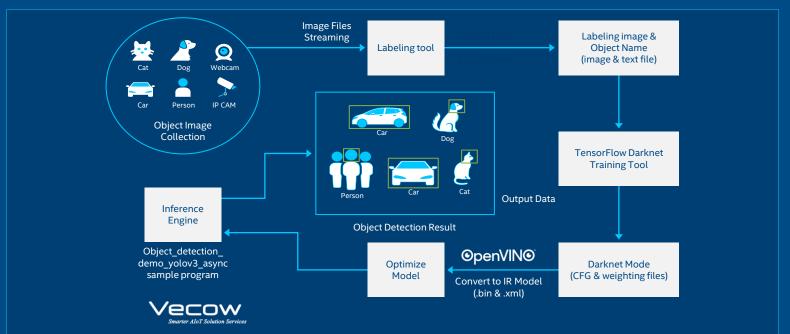
Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Machine Condition **Monitoring**

Situational Monitoring



Kit Components

Intel Components

- Intel® Distribution of OpenVINO™ toolkit, Core™ i5-9500 processor, Core[™] i5-9500TE processor, Core™ i7-9700E processor, Core[™] i7-9700TE processor
- TLS

Vecow Hardware

 Starter Kit, Deployment Kit, Development Kit, Titan Kit

Software

- VHub AI Developer Cloud Service Provider
- Microsoft Azure, Private/On-Premises

Operating System

Windows

Resources

Vecow kits are described at: For more information visit **Vecow Website**

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

the following:

- Kit Overview
- Kit Unboxing Guide

congatec AG Real-Time Workload Consolidation Starter Set 👚



Kit Overview

The kit offers users with a starter set of the COM Express Type 6 based industrial-grade application server platform. It integrates three independent, preconfigured virtual machines running multiple operating systems into a single HW platform sharing one CPU. It allows for parallel engagement of functionalities such as AI machine vision, real time motor control, and edge connectivity.

Value Prop

- Multitask in one control platform capable of running multiple real-time applications and operating systems
- Increase situational awareness with fast execution of DL-based AI algorithms executed on an Intel Arria® 10 FPGA card
- Enhance IoT connectivity security with an integrated firewall configured by a Linuxbased EdgeOS in a VM

Geo & Purchase Contacts

Availability: Europe; Asia/Pacific/Japan

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Retail

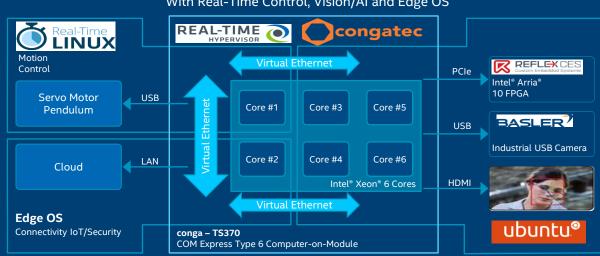
Relevant Use Cases

(click to see full list of kits for each use case)

Asset & **Operations Optimization**

Workload Consolidation

With Real-Time Control, Vision/AI and Edge OS



Kit Components

Intel Components

■ Intel® Xeon® E processors (i.e. E-2176M). Intel® Core™ processors (embedded), Intel® Arria® 10 FPGA (embedded)

Software

■ Intel® Distribution of OpenVINO™ toolkit

Hardware

• conga-TS370 module, USB Basler vision camera. XpressGXA10-LP1151AI PCle card

Operating System

Ubuntu. Linux. Other

Resources

Congatec kits are described at: For more information visit the congatec Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

following:

- OS API/SDK
- Solution Webpage
- conga-TS370 Product Page

GPC Systems Freight, Highways, & WoundCare Measure



Kit Overview

GPC's software and imaging solution enables customers to more quickly and accurately measure and calculate dimensions of industry-specific problems. The GPC kit uses 3D imaging to instantly calculate measurements enabling industry professionals to strategize and deploy solutions that resolve their problems.

Value Prop

- Accurately calculate manual dimensions using a single 3D photo Increase productivity by replacing timeintensive, manual measuring techniques with rapid image analysis
- Standardize wound measurements for consistently accurate results

Geo & Purchase Contacts

Availability: Europe Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Government

Health & Life Sciences

Transportation

Relevant Use Cases

(click to see full list of kits for each use case)

Logistics & Tracking

Machine Condition Monitoring

Human Wellness Monitoring



Capture Image

Mark Objects

Train

Calculate **Dimensions**

Kit Components

Intel Components

 Intel® RealSense™ Intel® Core™
 Panasonic M1 rugged tablet i5-7Y57 vPro processor, Intel® RealSense™ Depth Module D415, Intel® RealSense™ Depth Surface Go Module D410

Software

GPC Highway Measurement **Application**

Hardware

with Intel® RealSense™ Depth Module D410, Microsoft

Cloud Service Provider

Microsoft Azure

Operating System

Windows

Resources

GPC Systems kits are described at:

GPC Systems Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Case Studies

Kalkitech LV Substation



Kit Overview

The Kalkitech LV Substation kit connects field assets to SCADA and the cloud for necessary protocols, edge analytics, and communication capabilities to monitor LV Substation for stable and efficient power usage. Low Voltage Distribution networks can be controlled for grid resiliency and improved power quality.

Value Prop

- Improve customer satisfaction by reducing power outages and ensuring supply reliability
- Reduce working capital through asset monitoring and accurate identification of faults to help optimize operational costs
- Increase net revenue by supplying continuous power

Geo & Purchase Contacts

Availability: Europe; Americas; Southeast Asia; Asia/Pacific/Japan

Intel contact:

prithpal.khaiuria@intel.com

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

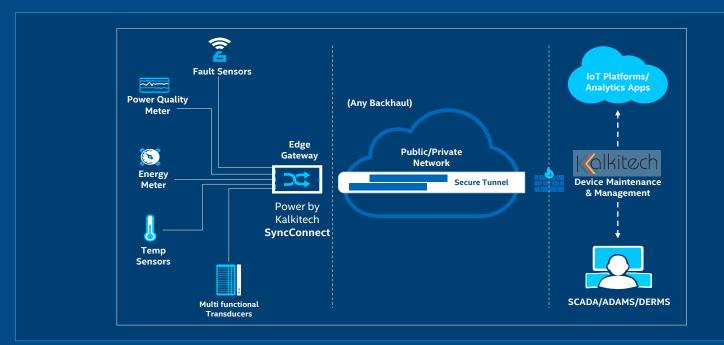
Energy

Relevant Use Cases

(click to see full list of kits for each use case)

Energy Monitoring & Management

Environment Monitoring



Kit Components

Intel Components

- Intel® Core J1900 processor
- Carrizo Plain Intel IP

Kalkitech Hardware

Advantech UNO-1372G

Software

SyncConnect Kalkitech IP

Cloud Service Provider

- Amazon Web Services
- Microsoft Azure
- Other

Operating System

Linux

Resources

Kalki.io kits are described at: For more information visit the following:

Datasheet Brochure

Tech Specs

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

MEGH Computing Video Analytics Solution



Kit Overview

MEGH Computing's Video Analytics Solution (VAS) kit ingests multi-channel, live video streams from IP cameras to detect objects and occurrences. The kit uses AI and Intel FPGA programmable acceleration cards to record and process the video streams and provide instant analytical insights. The VAS kit can be deployed in any scenario needing instant results.

Value Prop

- Improve operational performance with Intel® FPGA PACs that help reduce latency, lower TCO, and increase throughput by over 8 times
- Decrease financial losses due to errors, theft, and shrinkage with fraud prevention capabilities
- Increase work safety with video surveillance of crowds and work environment

Geo & Purchase Contacts

Availability: Americas; Asia/Pacific/Japan

Intel contact:

Partner contact:

Relevant Verticals

(click to see full list of kits for each vertical)

Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Product Inspection

Situational Monitoring

Transform Infer Ingest Video streams ingestion Data transformation: H.264 decode 15 fps/channel 1080p 30 fps Resize images Different topologies MPEG coding Reformat RGB based on model **FPGA Application** Post processing: image and scan codes Generate alerts

CPU

Kit Components

Intel Components

■ Intel® Arria® 10 FPGAs, PACs with Intel® Acceleration Stack software. Intel Xeon® processors, Intel® BigDL Learning software

Hardware

Dell R740 or HPE DL380 servers

Software

Docker Containers, VMware

Operating System

Ubuntu

Resources

MEGH kits are described at: For more information visit **MEGH Website**

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

the following:

- Solution Brief
- Technical Manual
- Intel BigDL API
- Spark Streaming API
- Release Notes

NEXCOM Robot PDM



Kit Overview

The Robot PDM kit is a complete AloT kit designed to address the biggest challenges in Industry 4.0 robotic automation. The kit's compact PDM300-RBT is equipped with AI vision capabilities and uses machine learning and quick model building to generate advanced, yet intuitive robot predictive diagnostics. It enables users to optimize the performance of articulated robots.

Value Prop

- Optimize robot operations with an intuitive solution that eliminates the need for a diagnostics expert
- Deploy quickly and painlessly with a universal add-on solution that can be installed in minutes
- Reduce downtime and costs with a built-in AI that automatically monitors and diagnoses a robot's performance and condition

Geo & Purchase Contacts

Availability: Europe; Americas; Southeast Asia; Asia/Pacific/Japan; PRC; Australia/New Zealand

Intel contact:

victor.s.arabagian@intel.com

Partner contact:

Relevant Verticals

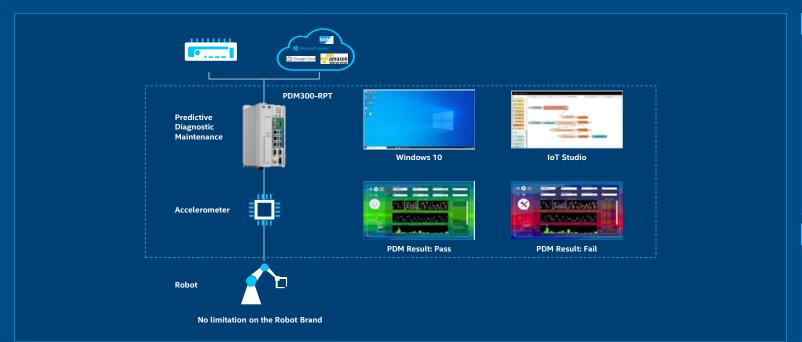
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

> Control Optimization & Autonomy



Kit Components

Intel Components

Intel® Core™ i3-76100TE **Processors**

NEXCOM Hardware

- NIFE300. Accelerometer Sensor, Accelerometer cable
- Magnetic base, NISE3800 SAP
 AWS, Google Cloud Platform, **Edge Server**

Software

Robot PDM software (preinstalled), IoT Studio (preinstalled), SAP Edge Service Package

Cloud Service Provider

Microsoft Azure, Private/On-Premises, SAP Cloud Platform

Operating System

Windows 10, Yocto, Linux

Resources

NEXCOM kits are described on Nexcom's webpage

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Solution Webpage
- Datasheet (PDF)
- Solution News Article

ZEDEDA Edge Al & Computer Vision Acceleration Kit



Kit Overview

ZEDEDA is a simple and highly scalable cloud-based IoT edge orchestration solution that delivers visibility, control, and security for the distributed edge with the freedom of deploying and managing any app on any hardware at scale and connecting to any cloud or on-premises systems.

Value Prop

- Solve AI deployment challenges to edge devices as well as difficulties with allocation of acceleration hardware
- Streamline allocation of hardware resources to speed up deployment and testing of AI models
- Deploy final AI models in bulk across the entire device ecosystem, no matter how highly distributed, exposed, and difficult to secure

Geo & Purchase Contacts

Availability: Europe; Americas; Southeast Asia; Asia/Pacific/Japan

Intel contact:

hetan.gadgil@intel.com

Partner contact:

sbeaudoin@zededa.com

Relevant Verticals

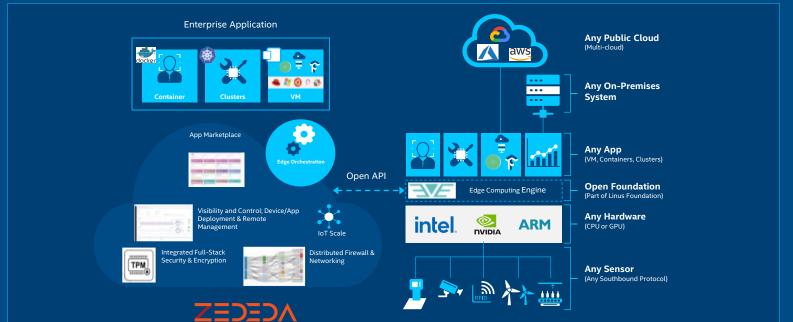
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Machine Condition Monitoring



Kit Components

Intel Components

Multiple Intel chipsets

Hardware

- IEI Tank 870
- Advantech EIS-D15
- Supermicro: E50-9A
- Lanner: LEC 6041

Software

- Intel® Distribution of OpenVINO™ toolkit
- Linux Foundation's Project EVE
- ZEDEDA

Operating System

Windows

Resources

ZEDEDA kits are described at:

https://zededa.com/

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- API/SDK
- <u>Datasheet</u>

AxxonSoft Axxon Next Video Surveillance and Analytics Kit



Kit Overview

This solution is an open-platform enterprise-level video management software solution that provides a variety of video capabilities for a project, scale, and complexity. Anywhere where safety and security are a matter of high importance, from an office to public transportation systems, it helps people to maintain secure conditions.

Value Prop

models

- Solve AI deployment challenges to edge devices as well as difficulties with allocation of acceleration hardware
 Streamline allocation of hardware resources to speed up deployment and testing of AI
- Deploy final AI models in bulk across the entire device ecosystem, no matter how highly distributed, exposed, and difficult to secure

Geo & Purchase Contacts

Availability: Worldwide

Intel contact:

willie.chow@intel.com

Partner contact:

John_L_Bacon@Dell.com kate.khasarokova@axxonsoft.com

Relevant Verticals

(click to see full list of kits for each vertical)

Government	Retail	Education	
Transportation	Hospitality	Other	
Manufacturing	Energy	Banking/FSI	

Relevant Use Cases

(click to see full list of kits for each use case)

Asset & Operations Optimization	Situational Monitoring	Interactive Media

Axxon Next Video Surveillance and Analytics Kit Architecture Cameras Web clients MustangV100-MX8 NAS storage Mobile clients

Kit Components

Intel Components

• Intel® Movidius™ Myriad™ X and Intel® Xeon® processors

AxxonSoft Hardware

PowerEdge R740xd Rack Server

Software

Axxon Next VMS

Operating System

Windows or Ubuntu (in development)

Resources

AxxonSoft solutions are described at:

AxxonSoft website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Kit Introduction
- AxxonSoft Case Studies
- <u>Technical Specifications</u>
- AxxonSoft Support

ADLINK Al-enabled Machine Vision Kit



Kit Overview

The ADLINK AI-enabled Machine Vision Kit eliminates the gap from development to product rollout by quickly and easily integrating conventional machine vision solution and AI deep learning technology. This integration fulfills the requirement of specific applications and shorten application development times.

Value Prop

Optimize product packing and improve product quality with AI at the Edge to ensure that product is tracked and inspected accurately
 Reduce machine downtime and increase

productivity by implementing equipment failure predictionsBring intelligence and automation to labor-

intensive processes with vision data and insights that can be acted on in the moment

Geo & Purchase Contacts

Availability: Europe, Americas, Southeast Asia, APJ, PRC, Australia/New Zealand

Intel contact:

orian1.lin@intel.com

Partner contact:

chiawei.yang@adlinktech.com

MODEL TRANSFORMATION TO Intel® MODEL TRAINING Distribution of OpenVINO™ toolkit Training a classification model on iGPU Defect classification PyTorch to model (.pth file) ResNet-34/PyTorch .xml (ResNet-34 network architecture) OpenVINO .bin (Weights and biases) AI INFERENCE EOS-i614A-MYDX Computer vision pipeline Input Custom CV/non-DL **DL** components components components Tensor Flow Inspected Direct coding solution♥ **API solution API solution** Image DL inference engine Custom code OpenCV Open XV **OpenVINO** .bin (weights and biases)

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

Asset & Operations Optimization

Situational Monitoring

Kit Components

Intel component

- Intel® Core™ i7 processor
- Intel® Movidius™ Myriad™ X
 VPU
- Intel® Distribution of OpenVINO™ toolkit, Intel® EIS™ (R2.0) (Optional)

OS

- Windows
- Ubuntu

Cloud Service Provider

- AWS
- Microsoft Azure
- Private/On-prem

Software

- ADLINK EDGE™ SDK (ADLINK Data River™)
- Intel® Distribution of OpenVINO™ toolkit 2019 R2
- Intel® EIS™ (R2.0) (Optional)

Hardware

- 4 ToE/PoE+ Image Capturing Modules
- WIBU Security

Resources

ADLINK solution is described at:

Solution Kit Webpage

To learn about Intel IoT solutions visit:

IoT Solutions Overview

- ADLINK Website
- ADLINK Solution Brief

ADLINK Edge™ Smart Pallet



Kit Overview

The ADLINK Edge™ Smart Pallet solution kit automates the loading of goods and packages onto pallets and boosts package-tracking accuracy using Al-based machine vision technology. It enables businesses to streamline processes and increase customer satisfaction in a cost-effective manner.

Value Prop

in real time

Mark

Objects

- Generate higher profits by reducing spoilage and sunk costs Increase productivity and shipment volumes with machine vision to verify order contents
- Enable creation of new products or services that are customized and generate new revenue streams
- Create more ergonomic and safer work environments with instant connectivity

Train

Test

Geo & Purchase Contacts

Availability: Worldwide

Intel contact:

Partner contact:

chiawei.vang@adlinktech.com

Relevant Verticals

(click to see full list of kits for each vertical)

Government	Retail	Education
Transportation	Hospitality	Other
Manufacturing	Energy	Banking/FSI

Relevant Use Cases

(click to see full list of kits for each use case)

Asset & Operations	Situational	Interactive Media
Optimization	Monitoring	interactive inledia

ADLINK Edge™ Smart Pallet

Gather

images



Acquire training images and recordings

Kit Components

Intel Components

• Intel® Movidius™ Myriad™ X and Intel® Xeon® processors

AxxonSoft Hardware

PowerEdge R740xd Rack Server

Software

Axxon Next VMS

Operating System

Windows or Ubuntu (in development)

Resources

AxxonSoft solutions are described at:

AxxonSoft website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Kit Introduction
- AxxonSoft Case Studies
- Technical Specifications
- AxxonSoft Support

ASUSTeK Computer Inc – Al Machine Vision AOI



Kit Overview

The ASUS Al Machine Vision AOL kit is designed to replace traditional, human-reliant methods for surface detection inspection of stamped metal and injectionmolded plastic products with a consistent and efficient machine vision solution. The kit is made to withstand harsh environments and to exceed industry standards.

Value Prop

- Reduce time to market with an easy-to-deploy kit designed and tailored for full integration with existing IT/OT architecture and unique Al algorithms that can reduce training time
- Improve return on investment by reducing total cost of ownership with efficient and reliable AOI + AI machine vision technology
- Enable pull-through sales around machine vision technology with a kit that has high upsell potential for statistical process control, realtime analysis, and more

Geo & Purchase Contacts

Availability: Africa/Middle East; Americas; Asia/Pacific/Japan; Australia/New Zealand

Intel contact:

Nicolas Silvestre -

Partner contact:

ASUS - ai solution@asus.com

Relevant Verticals

(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

> Product Inspection

Kit Components

Intel Component

- Intel® Core™ i3, i5, and i7 processors
- Intel® Xeon® E processor

ASUS Hardware

- ASUS E500 G5 Workstation
- ASUS PE200U Intelligent **Edge Computer**
- ASUS VP-2308 Monitor

- Flir Chameleon3 USB3 Camera/ Huirong Lens
- Viswell LED 2CH-24V65W-M

Software

 Intel[®] Distribution of OpenVINO™ toolkit

Cloud Service Provider

Cloud agnostic

Operating System

■ Windows 10; Windows 10 IoT Enterprise

Learn more

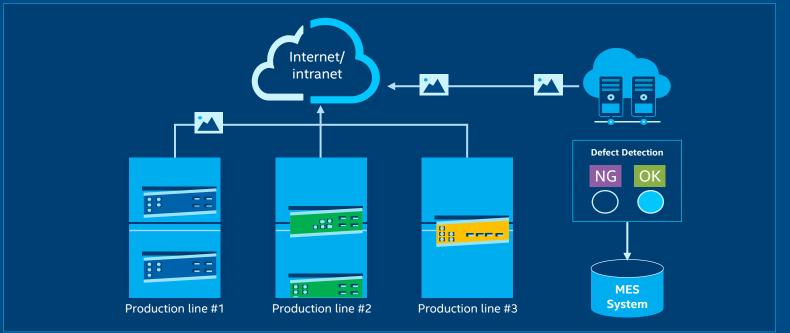
ASUS kits are described at:

ASUS AI Solutions

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- **Manufacturing Solutions**
- PE200U Product Page



Macnica SENSPIDER



Kit Overview

The kit enables systems integrators to build customized solutions for their customers across industrial use cases that include machine condition monitoring, abnormality detection, and predictive maintenance. Users can deploy a compact sensor gateway designed for hyper-efficient analog data acquisition and local AI analysis.

Value Prop

- Deploy a highly compatible kit that works with nearly all analog sensors
- Lower service costs with real-time monitoring of machines and production
- Improve operational efficiency with flexible Al models that simplify data acquisition

Geo & Purchase Contacts

Availability: APAC, Japan **Intel contact:**

Partner contact:

osano-h@macnica.co.jp

Relevant Verticals

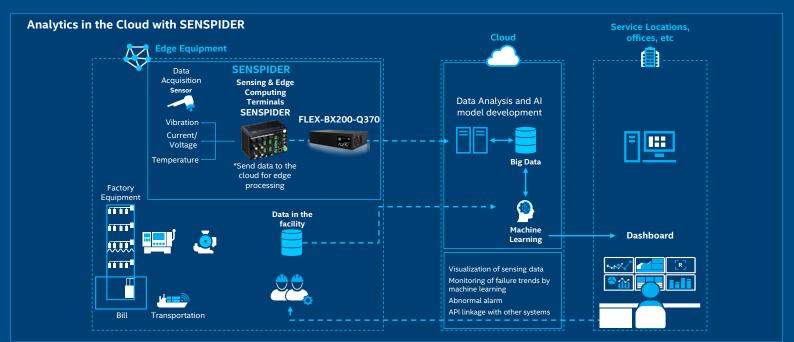
(click to see full list of kits for each vertical)

Manufacturing

Relevant Use Cases

(click to see full list of kits for each use case)

> Machine Condition Monitoring



Kit Components

Intel hardware

- Intel® Cyclone® V SoC FPGAs
- Intel[®] Core[™] i5 processors

Macnica hardware

- SENSPIDER
- Interface Card
- Sensors
- IEI FLEX-BX200-O370

Macnica software

- Data capture software
- AL module
- Data analyze software for Industrial PC

Resources

Macnica kits are described at:

Macnica Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Macnica Website Kit Overview
- Kit Unboxing Video

EverFocus Soter64 Server System for AloT



Kit Overview

The EverFocus Soter64 is a high-performance, high-capacity network recording server powered by the Intel® Xeon E-2124G processor. In addition to the general recording and playback functions, the EverFocus Soter64 can be equipped with AxxonSoft CMS software to enable Al intelligent video analysis and CMS functions.

Value Prop

- Provide easy cloud data management for both the public and private cloud with a large capacity central data storage device equipped with hardware-based security technology
 Enable multi-channel IoT operations over a
- Enable multi-channel IoT operations over a reliable network with real-time streaming and playback
- Empower advanced AI media analytics by pairing high-performance CPUs and VPUs with AxxonSoft CMS software to enable advanced AI video functions and DL

Geo & Purchase Contacts

Availability: Americas; Asia/Pacific/Japan; Europe/Middle East/Africa; PRC.

Intel contact:

<u>eugene.wang@intel.com</u>

Partner contact:

irene vang@everfocus.com.tw

Relevant Verticals

(click to see full list of kits for each vertical)

Retail	Hospitality	Education
Government	Transportation	Other

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring	Other

Intel Components

- Intel® Xeon® E-2124G processors
- Intel® C246 Chipset

Software

AxxonSoft CMS ((optional)

Kit Components

Cloud Service Provider

 Alibaba Cloud; Amazon Web Services; Google CloudPlatform; IBM Cloud; J Cloud/JD.com; Microsoft Azure; Other

EverFocus hardware

- Soter64 NVR Server System
- Redundant Power x 2
- 3.5" HDD Screw x 35
- MINI DP to DVI connector x 4
- Slide Rail Kit x 1
- Slide Rail screw x 2
- Graphics and Quick Installation Guide x 1
- IP Camera, 3.5 " HDD, PoE Switch (optional)

Operating System

Windows 10 LTSC

Resources

EverFocus kits are described at: For more information, visit

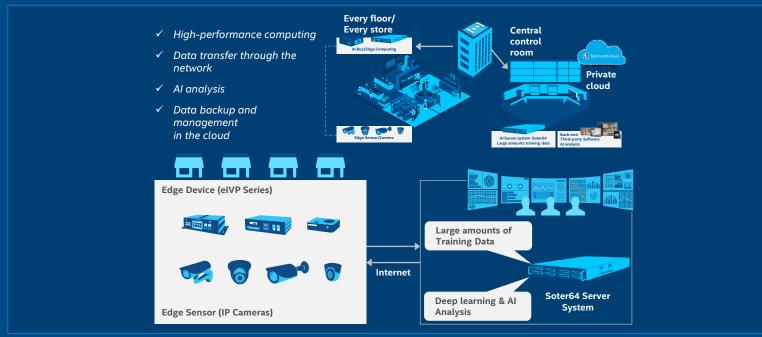
EverFocus Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

the following:

- EverFocus Kit Introduction
- Soter64 Product Page
- EverFocus News Article



AAEON UP Xtreme Edge Compute Enabling Kit



Kit Overview

The AAEON UP Xtreme Edge Compute Enabling Kit is a production-ready industrial computing platform that system integrators can deploy and scale for AI-inference on the edge. Powered by ultra-low power Intel processors, the fanless system delivers a comprehensive feature set, with the Ubuntu operating system to speed up development time.

Value Prop

- Gain AI technology with inter-disciplinary, production-ready AI solution that the interoperability of data processing at the edge
- Perform in harsh conditions with ultra-lowpower Intel processors and a fanless chassis for industrial performance in extreme environments
- Expand and develop easily with multiple expansion options using supported I/O to accelerate deployment for fast time to market

Geo & Purchase Contacts

Availability: Americas, Europe, South Africa, Asia-Pacific, Japan, Taiwan

Intel contact:

Robert Kamp - robert.kamp@intel.com

Partner contact:

Owen Wei - owenwei@aaeon.eu

Relevant Verticals

(click to see full list of kits for each vertical)

Banking/Financial Services

Retail

Other

Relevant Use Cases

(click to see full list of kits for each use case)

Situational Monitoring

Kit Components

Intel Components

- Intel® Core™ i3, i5, i7 processors
- Intel[®] Celeron processor
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Media SDK
- Intel® Distribution of Python*

AAEON UP Hardware

 UP Xtreme Edge Compute Enabling Kit

Cloud Service Provider

Microsoft Azure

Pre-installed Software

- MRAA and UPM I/O and sensor libraries for C++, Python*, Java*, and JavaScript*
- Docker-CE
- K3s Kubernetes
- ONNX
- AWS Greengrass

Operating System

Ubuntu

Resources

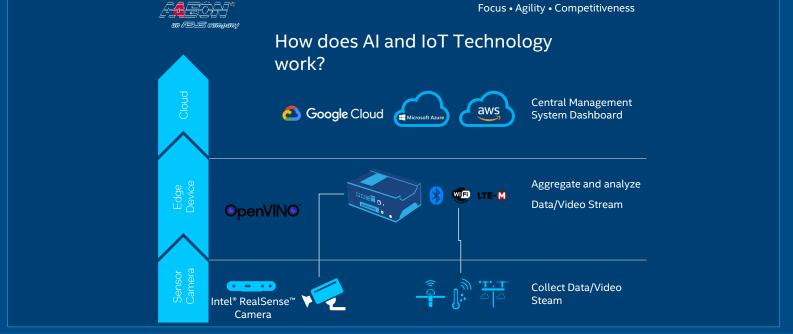
AAEON UP kits are described at:

<u>UP Xtreme Edge Compute</u>
 Enabling Kit

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

- Intel Vision Solutions
- <u>UP Community Forum</u> and <u>User Questions</u>



Herta BioAccess



Kit Overview

The Herta BioAccess technology supports verification of user identifies from access control lists to secure physical locations such as buildings, offices, or data centers. It performs regardless of partial face occlusions and is capable of enrolling users to access control lists with on-the-fly video streaming.

Value Prop

- Enable real-time identity verification with a kit that uses face biometrics for access control across a wide range of use cases
 Empower on-the-fly access list user enrollment through video streaming
- Deploy a scalable facial recognition kit with versatile applications for personnel identification in a variety of scenarios

capabilities for simple user management

Geo & Purchase Contacts

Availability: Global

Intel contact:

Mahmut Meral – Mahmut.meral@intel.com

Partner contact:

Baha Ersin – Baha.Ersin@hertasecurity.com

Relevant Verticals

(click to see full list of kits for each vertical)

Agriculture	Banking/ Financial Services	Education
Energy	Other	Government
	Health & Life Sciences	

Relevant Use Cases

(click to see full list of kits for each use case)

V	
Control Optimization	Situational
& Autonomy	Monitoring

Central Server Processing & monitoring Alarm management and visualization Edge 1 Edge 1 Edge 2

Kit Components

Intel Components

- Intel® NUC
- Intel® Core™ i7
- Intel® Xeon® processors

Herta Security Software

BioAccess

Cloud Service Provider

On-premises

Operating System

Windows

Resources

Herta Security kits are described at:

Herta Security Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

For more information, visit the following:

Herta BioAccessDatasheet

Tukuoro Voice Platform Enablement Kit



Kit Overview

The Tukuoro Voice Platform
Enablement Kit is a voice interface
technology that enables any device to
operate by voice command and be
used touch-free across a variety of
devices. The kit strictly adheres to
regulation and privacy rules, allowing
companies to take advantage of
emerging technologies with the
knowledge the users' data is secure.

Value Prop

- Implement Voice Interaction Technology Software across various use cases and segments
- Set up in as little as a few hours across a variety of devices, platforms, languages, and use cases so companies can reduce time to market
- Ensure implementation complies with global privacy regulations to safeguard business data ownership and user data privacy

Geo & Purchase Contacts

Availability: Worldwide

Intel contact:

Farhaan Mohideen
farhaan.mohideen@intel.com

Partner contact:

Amir Tsrouya amir@tukuoro.com

Relevant Verticals

(click to see full list of kits for each vertical)

Transportation Retail Banking/FSI

Hospitality Health & Life Sciences

Relevant Use Cases

(click to see full list of kits for each use case)

Asset & Operations
Optimization

Kit Components

Intel Components

- Intel[®] Core[™] i7
- Intel® OpenVINO™ toolkit

Tukuoro hardware

 Voice Platform Enablement Kit

Tukuoro Software

- Tukuoro Contextual Processing Engine
- Edge Device Voice Layer SDK

Operating System

Windows Server 2019

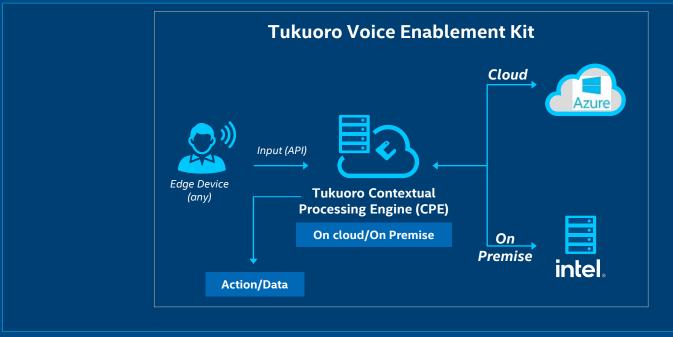
Learn More

Herta Security kits are described at:

Tukuoro Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview



Reliant Edge Platform



Kit Overview

Reliant Edge Platform is a complete edge computing solution for retail, hospitality, c-stores, and customerfacing industries built to provide a holistic approach to application hosting, configuration management, orchestration, integrated monitorin,g and data collection. Reliant offers a scalable platform to integrate both legacy and new systems into one holistic system through virtualization, centralized management, and comprehensive monitoring.

Value Prop

- Deliver faster digital innovation without having to replace legacy applications
- Centrally manage remote locations with rapid innovation capabilities for IT teams to quickly deploy, manage and support hosted applications with consistent operations across multiple platforms and site formats
- Replicate the power of the Cloud near endpoints and consumers, connected IoT devices, and locally hosted applications for high availability, continuous operations and faster response times

Geo & Purchase Contacts

Availability: Worldwide

Intel contact:

Kristopher Sundby kristopher.sundby@intel.com

Partner contact:

Phil Stead pstead@reliant.io

Relevant Verticals

(click to see full list of kits for each vertical)

Banking/FSI Hospitality Retail

Relevant Use Cases

(click to see full list of kits for each use case)

Asset & Operations Situational Interactive Media Optimization Monitoring

Kit Components

Intel hardware

- Intel® Xeon® Processors
- Intel Atom® Processors

Reliant hardware

Reliant runs on any Intel x86 platform

Reliant software

- Reliant Edge Platform
- Reliant Platform Manager

Operating System

Debian Linux

Cloud Service Provider

- Amazon Web Services
- Microsoft Azure
- Any Authorized third-party Cloud Provider, DC, Customer Cloud

Features

- Centralized Management
- Virtualization/Containerization
- Integrated CI/CD
- Configuration Management
- Integrated Monitoring
- Data Collection
- Microservices

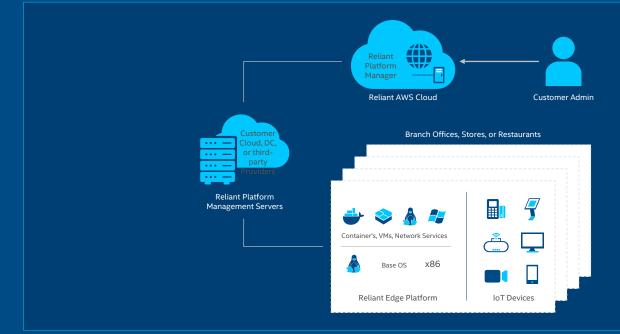
Learn More

Reliant Edge Platform solution is described at:

Reliant.io Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview



AOPEN Digital Safety Solutions



Kit Overview

The AOPEN Digital Safety Solutions kit is a platform that provides a combination of surveillance hardware and analytics software to monitor retail store traffic, report anomalies during off-hours times, and enhance security of an environment. Built-in security measures ensure a customer's system and data are protected at the edge, allowing them to scale operations worry-free.

Himili

Analytics software

Value Prop

- Build at scale with integration across analytics, hardware, and software in five different SKUs in three different form factors
 Utilize a pre-loaded solution in the Milestone VMS with integrated SAIMOS analytics that
- VMS with integrated SAIMOS analytics that allows for faster deployment and scalability from a few local cameras to thousands spread across an organization
- Optimize powerful edge workloads with Intel® Movidius™ VPUs that accelerate computer vision and AI edge inference workloads

AOPEN Digital Safety Solutions Kit

Geo & Purchase Contacts

Availability: EMEA region

Intel contact:

Arkadiusz Hruszowiec

Partner contact:

Eline Wester

elinewester@aopen.com

Relevant Verticals

(click to see full list of kits for each vertical)

Education	Retail
Hospitality	Government

Relevant Use Cases

(click to see full list of kits for each use case)

Environment Monitoring

Kit Components

Intel hardware Intel® Core™ i5 Intel® Core™ i7

Intel® Movidius™ VPUs

Kit software

Milestone VMS SAIMOS analytics Cloud Service Provi

Cloud Service Provider Private/on-premises

AOPEN hardware

DEX5550-MS DEV7610-MS DEV7610-MS AI X4 DEV8430-MS DEV8430-MS AI X8

Operating System
Windows 10 IoT

Learn More

AOPEN kits are described at:

AOPEN Website

To learn about Intel IoT kits visit:

Intel IoT Kits Overview

For more information, visit the following:

- Surveillance Solutions
- Solutions Directory



AOPEN solution is described at:
Internet of Things Group

Intel Confidential

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