



TOUGHBOOK T1—SOLUTION GUIDE

TOUGHBOOK®

productivity⁺

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MOBILITY SOLUTIONS



TOUGHBOOK T1

A sleek rugged handheld for mission critical enterprise work with an integrated barcode reader

The Panasonic TOUGHBOOK® T1 is a slim and sleek Android OS based handheld that proudly carries the TOUGHBOOK name. Its ability to be used in the enterprise to collect information from workers in retail stores, warehouses, field service, transportation and delivery or many other environments where work must occur belies its mild looking exterior. The TOUGHBOOK T1 has a quad-core processor and a straight-shooting barcode reader, options to have a pistol grip with trigger, use a stylus pen or connect to multi-carrier 4G LTE with voice capability; end users will feel comfortable with its Android OS interface. This handheld's users won't miss a beat with its great battery life, glove and rain-touch enabled 5" screen, 5-foot drop rating and IP66 and IP68 certification. Not only is the TOUGHBOOK T1 ready to satisfy end user's needs, but with Panasonic's Productivity+ ecosystem of development, deployment and sustainment tools and services it is ready to satisfy all who are involved in your organization from the IT department through operations management.

- Android™ 9 (Pie)
- Qualcomm® MSM8909 1.1GHz Quad-Core
- 5" High definition display with glove and rain mode
- 2 GB RAM and 16 GB flash storage
- Integrated 1D/2D straight-shooting barcode reader
- Two user-configurable scan buttons for left- and right-handed users
- Optional multi-carrier 4G LTE data and voice support
- Designed to meet MIL-STD 810G
- IP66 and IP68 sealed all-weather design
- User-replaceable battery with warm-swap function
- Expected 12 hours battery life based on standard enterprise user profile
- Loud-speaker with noise suppression and three echo cancellation microphones
- 1-Year warranty with business class support as standard and optional 3-year warranty

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TOUGHBOOK T1 ECOSYSTEM



*For more details regarding printers, contact your Panasonic Sales Representative.



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POWER MANAGEMENT SOLUTIONS

Standard Battery Pack

- (3200 mAh)
- SKU: FZ-VZSUT10U



5-Bay Battery Charger

- Includes AC adaptor (16v-100W) standard Panasonic TOUGHBOOK barrel connector and AC cord
- SKU: FZ-VCBT131M



AC Wall USB Charger (5v) with Male Micro USB-B

- SKU: FZ-AAE184EM



SECURITY & PROTECTION SOLUTIONS

Screen Protectors

- Package of 10 pcs
- SKU: FZ-VPFT11U



PRODUCTIVITY SOLUTIONS

Panasonic Passive Stylus Pen

- SKU: CF-VNP021U



Panasonic Wrist Lanyard with Stylus Loop

- Package of 3 pcs
- SKU: FZ-VNTT11U



Agora Edge Adjustable Wrist Lanyard with Quick Disconnect

- SKU: AE-T1AHS



Agora Edge Adjustable Hand Strap

- SKU: AE-T1AWS



Panasonic Pistol Grip

- SKU: FZ-VGGT111U



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VEHICLE DOCK AND POWER SUPPLIES

Gamber-Johnson Slam-Latch Dock

- Does not include power supply, purchase: LI-L1BA5DC LIND charger 5V Mini Barrel input. Replicates USB B output.
- SKU: GJ-T1VDSL



LIND Cigarette Lighter Adapter to Mini Barrel 5VDC 10W 2A

- For use with the GJ-T1VDSL Gamber-Johnson Vehicle Dock
- SKU: LI-L1BA5DC



LIND Cigarette Lighter Adapter to Micro USB B 5VDC 10W 2A

- For use directly connected to the FZ-T1 or with the FZ-VCBT11U charging cup
- SKU: LI-N1UA5DC



DESKTOP DOCKING SOLUTIONS

Charging Cup with Desktop Stand

- Power supply not included, purchase FZ-AAE184EM (for desktop usage) or LI-N1UA5DC LIND charger for in-vehicle usage. 5V Micro USB B input
- SKU: FZ-VCBT11U



Single Device Desktop Cradle

- Includes AC wall adaptor (5v) with Male micro-USB-B
- Includes USB connectivity
- Ports: DC-IN, 1 x micro USB type-B port
- SKU FZ-VEH1T1AAM



5-Bay Desktop Cradle

- Includes AC adaptor (16v-100W) standard Panasonic TOUGHBOOK barrel connector and AC cord. Optional LAN Cradles can be Ethernet daisy-chained through their second RJ45 jack.
- FZ-VCH5T1AAM—Charge Only
- FZ-VEH5T1AAM—Charge and 2 x LAN



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SOFTWARE AND PROSERVICES

Software

Panasonic provides a software platform to manage the entire life cycle of TOUGHBOOK Android projects. This includes the development and integration of user applications, rapid deployment of devices through an enrollment and configuration suite, and enterprise level sustainment solutions.

ProServices

Panasonic offers the ProServices and support needed to power your Android solution at every stage of the customer journey. From consulting and solution to warranty and replacement services, Panasonic keeps your mobile workforce productive and your mobile solution costs low.

Our Standard Warranty protects your TOUGHBOOK T1 from manufacturing defects for one year. It provides lifetime access to our U.S.-based technical support hotline (which has average hold times less than 1 minute), online access to tools and manuals; free overnight delivery of customer-

replaceable parts and repaired units (85% of repairs are completed within just 48 hours); and access to Panasonic field service personnel.

Panasonic recognizes that one size does not fit all. Each customer has a unique set of skills and needs. Panasonic ProServices can offer each customer the right solution to best fit their particular situation. Contained in this document are some of the most popular service options. For more information please contact your Panasonic representative or go to the Panasonic ProServices website.

DEVELOPMENT SERVICES

If you're new to Android or an Android veteran, Panasonic's Developmental Engineering services provide end users with a comprehensive technology partner to consult, design, and implement complex solutions to speed deployment, reduce risk, and deliver customized field-ready devices. These services include:

MDM API's: Allows MDM partners to low level system access to Panasonic Android devices. Panasonic provides API's to industry wide MDM vendors which allows low level access to Panasonic Android devices OS versions for 3rd party MDM partners.

SDK and Intent API's: Allows administrators and developers to control hardware or device and use standard Intent interfaces to configure and manage device settings. Control 100's of Panasonic Android settings with Intent based API's. Take full control of Panasonic hardware like barcode to take complete control of the device experience

Secure 3rd Party App Support (signing): Allows signed applications to execute Android protected and privileged commands. Portal that supports high level (secure) signing of applications that execute privileged commands. Only signed applications can execute high-level and privileged commands on Panasonic devices. Panasonic supplies a unique ID to every APP/Vendor.

Enterprise Custom Deployment Consulting Setup: Provides custom engineering developed solutions such as custom scripting, MDM and infrastructure consulting, and other engineering centric deliverables designed to provide guidance in shortening time to market.



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ADDITIONAL DEVELOPMENT SERVICES

Rapid Application Development: If you're new to Android or an Android veteran, Panasonic offers a diverse tool-set to help get your user workflows and administrator capabilities moved to Panasonic Android devices. A development platform to rapidly develop, test, deploy and manage your enterprise software on mobile devices and easily supports Windows CE migration.

Voice Picking Application Development: Enhances traditional pick and pack operations by automating the picking of inventory with easy to use voice prompts.

Zero Touch Deployment Consulting Service: This service provides Panasonic Zero Touch engineering resources to help guide customers through the process of designing and deploying Android hardware via Zero Touch deployment services. This service will include completion of a customer specific Zero Touch web portal for use in configuration of MDM and related systems to leverage Zero Touch.

DEPLOYMENT SERVICES

Managing the complexity of a rapid multi-thousand units deployment requires flexibility, planning, and staging of multiple components prior to shipment. Panasonic provides high volume capabilities to deliver TOUGHBOOK technology right out of the box.

PaRC Tool: Panasonic Rapid Configuration allows device settings to be configured and MDM enrollment to be automated by quickly scanning a barcode. Allows 100's of settings to be configured and deployed via a barcode or pushed from an MDM. Assists in provisioning MDM's during the deployment process by providing a device enrollment barcode.

Android Enterprise: Allows for Android standardized MDM functionality and easy MDM provisioning with QR Code, NFC, or Zero Touch Enrollment. Panasonic's devices are recognized as an Android Enterprise Recommended in the Rugged Device category. Android Enterprise provides standardized provisioning functionality to enroll Panasonic devices into any Android Enterprise MDM.

Standard Deployment at the Panasonic National

Service Center in Memphis: Comprehensive customized deployment service which provides high volume rapid delivery of production ready TOUGHBOOKs where they are needed—on time and on budget. This service includes single or dual sim installation, SD card installation (customer provided), installing tether, charging battery, asset tagging, MDM enrollment, and a comprehensive deployment report. Ground shipping to multiple locations is included.

SKUs:

- FZ-SVTCHHDEP
- FZ-SVTCHHDEP200 (over 200 units)
- FZ-SVTCHHDEP500 (over 500 units)
- FZ-SVTCHHDEP1000 (over 1000 units)

Basic Deployment at the Panasonic National Service

Center in Memphis: Basic deployment services providing high volume rapid delivery of bulk production ready devices—on time and on budget. This service includes installing one or two sim's, SD card (supplied by customer), tether, charging batteries, asset tagging & basic deployment report and ground shipping to one location.

SKUs:

- FZ-SVTCHHBRZ
- FZ-SVTCHHBRZ200 (over 200 units)
- FZ-SVTCHHBRZ500 (over 500 units)
- FZ-SVTCHHBRZ1000 (over 1000 units)



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ADDITIONAL DEPLOYMENT SERVICES

Kitting: Allows for delivery of accessories or non-Panasonic hardware during project deployment.

- **SKU:** FZ-SVTCHHKIT4

Wireless Activation: Includes wireless SIM card installation and activation during deployment services.

- **SKU:** FZ-SVTCHHWA

Wireless Storage: Staging and storage of devices and accessories in advance of production delivery timeline.

- **SKU:** FZ-SVTCHHSTORAGE

Additional Configuration: Additional custom configuration – up to 15 minutes during deployment.

- **SKU:** FZ-SVTCHHCONFIG

Green Shipping Box: Custom box for bulk deployment of quantities up to 20 units per shipment. This service is designed to reduce the recyclable materials delivered to the end user site.

- **SKU:** FZ-SVTCHHBOX

SUSTAINMENT SERVICES

Panasonic provides mobility hardware with the industry's lowest failure rates, but things happen in rugged environments. Panasonic backs our industry leading hardware with comprehensive all-inclusive warranty offerings and services to keep your mobile fleet in the field and in production.

Panasonic Enterprise Launcher: Creates a secure home screen environment or single purpose Kiosk environment to securely manage the user experience. Panasonic kiosk mode or lock-down tool that locks the user out of changing configurations on the device, disallow app access, create app specific menus & support an "admin mode" to override access so systems administrators can get beyond the locked-down state.

Logging Tool: Allows for logs to be remotely captured and sent to system administrator to troubleshoot end user issues. Troubleshooting applications that allows system administrator to collect events from a device & create timestamped logs. Supports reseller partners that supply technical services & customer IT departments. Logging events can occur in the background & collect continuously without user intervention.

Enterprise Reset Capability: Allows administrators to reset a device to a known good provisioned state set by the system administrators. Allows administrator to reset a device to their company's corporate IT standard. Reset feature removes all user level data from the device so it acts as a newly provisioned device to a known good state.

Barcode Wedge: Allows barcode reader settings to be configured and for barcode data be sent to any application. Barcode scanner management tool that supplies barcode scanning to applications that don't use Panasonic barcode APIs. Configures the scanner for intent calls from applications & acts as barcode scanner demo application.

Hardware Diagnostics Application: Allows for administrators to automate testing for device hardware concerns. Tools to test device user interface inputs—tests for screen, touch, sound, microphones. Reports on their ability to be controlled properly.



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ADDITIONAL SUSTAINMENT SERVICES

OEMConfig: Allows Android Enterprise administrators to manage and configure hundreds device settings. Integrates to the console for MDM's for customers that utilize Android Enterprise to manage 100's of device settings.

FOTA: Firmware Over the Air updates that are configurable to allow administrator to automate or manage. Firmware delivered/managed updates for Panasonic enterprise devices where the customer does not worry about managing updates themselves.

Android Premier OS Program: Provides Enterprise grade Android OS, Maintenance, and security updates on a 45-day basis for up to 5 years after purchase for all Android versions supported on the TOUGHBOOK.

SKUs:

- | | |
|----------------|-----------------------------|
| • FZ-VLPABY11U | 12-month service enrollment |
| • FZ-VLPABY12U | 24-month service enrollment |
| • FZ-VLPABY13U | 36-month service enrollment |
| • FZ-VLPABY14U | 48-month service enrollment |
| • FZ-VLPANY15U | 60-month service enrollment |

Accidental Damage—Ultimate Care: This coverage provides truly comprehensive coverage for TOUGHBOOK Handheld computers for out of warranty repairs. No cap and no out of warranty billing for accidental damage for the term of the coverage. Even items like intentional damage, fire, natural disasters like flooding, hurricanes, etc., complete loss and theft (reported) are covered up to 1% of total deployment.

SKUs:

- | | |
|--------------------|----------------|
| • FZ-SVTCVHHUC1Y | 1 Year |
| • FZ-SVTCVHHUC2Y | 2 Year |
| • FZ-SVTCVHHUC3Y | 3 Year |
| • FZ-SVTCVHHEXTY23 | 2nd & 3rd Year |

Extended Warranty: Extended Manufacturers Warranty—Extends the same standard warranty coverage on the TOUGHBOOK handheld with the exception of the battery. The cost of labor, parts, and shipping are included in the price of the Extended Warranty Program.

SKUs:

- | | |
|--------------------|----------------|
| • FZ-SVTCVHHEXTY23 | 2nd & 3rd Year |
| • FZ-SVTCVHHEXTY2 | 2nd Year |
| • FZ-SVTCVHHEXTY3 | 3rd Year |

Smart Battery Warranty: Remove budget requirements while keeping your TOUGHBOOKs in top battery operating condition with this Panasonic proactive Battery replacement warranty.

SKUs:

- FZ-SVCBATSW3Y (3 years)
- FZ-SVCBATSW5Y (5 years)

Advanced Exchange: Advanced exchange at Panasonic National Service Center in Memphis—unit ships via next day air from customer owned inventory for requests received prior to 5:00 EST.

- **SKU:** FZ-SVTCHHAE3Y (3 years)

Smart Service (Predictive Analytics): TOUGHBOOK Smart Service delivers real time predictive analytics, proactively reporting device health and smart battery health and activity across the enterprise mobility estate.

SKUs:

- FZ-SVCB2MSSD3Y (3 years)
- FZ-SVCB2MSSD4Y (4 years)
- FZ-SVCB2MSSD5Y (5 years)



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ADDITIONAL SUSTAINMENT SERVICES CONTINUED

Smart Device Essentials: Provides insight into the health of a device as it relates to end user experienced issues such as utilization, power events, and system reboots for Android TOUGHBOOKs

SKUs:

- FZ-SVCB2MDE3Y (3 years)
- FZ-SVCB2MDE4Y (4 years)
- FZ-SVCB2MDE5Y (5 years)

Combination Package:

Smart Device Essentials and Smart Battery Essentials:

SKUs:

- FZ-SVCB2MBDE3Y (3 years)
- FZ-SVCB2MBDE4Y (4 years)
- FZ-SVCB2MBDE5Y (5 years)

Smart Battery, Smart Device and Smart Service Software:

SKUs:

- FZ-SVCB2MCMB3Y (3 years)
- FZ-SVCB2MCMB4Y (4 years)
- FZ-SVCB2MCMB5Y (5 years)

Smart Battery Essentials: Provides real time reporting of a TOUGHBOOKs battery health and can be used to manage battery refresh requirements across large device estates.

SKUs:

- FZ-SVCB2MBM3Y (3 years)
- FZ-SVCB2MBM4Y (4 years)
- FZ-SVCB2MBM5Y (5 years)

VuLock Screen Blanking Software: Blanks TOUGHBOOK screens while the device is in motion. Allows for whitelisting of mission critical applications to appear such as CAD and point to point navigation.

VuLock Powered by DriveScreen with Smart Port

- SKU: ST-DEPINHHVPD01

VuLock Powered by DriveScreen with Motion Sensor (For forklifts)

- SKU: ST-DEPINHHVPD02

MDM (SOTI): SOTI Mobile Device Management

SOTI MobiControl CLOUD license & hosting—MONTHLY

- SKU: FZ-HHSOTIBCLM

SOTI Enterprise Support – MONTHLY

- SKU: FZ-HHSOTIENTSUPM



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