J2 640

Integrated Touchscreen Computer

Dual screen system

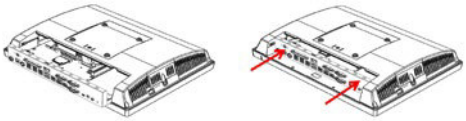
Windows Embedded
Silver Partner

Powerful – Feature Rich – Reliable

The **J2 640** is an updated version of the very successful 625. The hardware shows the same design as the latter with updated electronics. The **J2 640** uses the Intel Baytrail J1900 2.0GHz quad core processor which runs 2½ times faster than the dual core D2550 used in the former version. In addition, the J1900 processor supports Windows 7, POSReady 7, Windows 8.1, Windows 8.1 Industry and Windows 10.

The **J2 640** also comes in standard with a PCT touch screen, 4GB of main memory, and a 500GB Hard Drive or 32GB SSD.

The AURES 640 is proposed at the same price as the previous version. It offers a VGA port, USB 3.0 port and a total of 5 USB ports. The system also supports a wide range a peripherals including a 10.1 secondary display, line display, MSR, RFID readers, iButton, finger print reader and other peripherals.



MB module slide in-out, no tools required

J2 640

- Intel Baytrail J1900 Processor, Fanless
- Projected Capacitive Touch Screen technology (PCT)
- 15 inch 4:3 1024 x 796 LED Backlight LCD
- Highly adjustable viewing angle
- 500GB HDD or 32GB SSD standard
- 4GB memory standard, up to 8GB
- Intergraded Power Supply
- 5 external USB ports, 4 x 2.0, 1 x3.0
- 4 external serial ports with power
- VGA Video port, Optional DisplayPort
- Cash drawer port, 2 drawer support
- Secondary Video display option
- Many peripheral options

MODEL	J2 640
Processor(s)	Intel Baytrail J1900 2.0GHz Quad core
RAM Memory	4 GB Standard, 8GB Maximum DDR3L 1333 SO-DIMM
HDD & SSD	1 x 2.5 inch slot SATA, quick change 500GB HDD or 32GB SSD standard Optional 2nd drive mounted on MB
LCD & TOUCHSCREEN	
LCD	15 inch TFT LED backlight 300 cd/m²
Resolution	1024 x 768
Touch Screen	Projected Capacitive Touch (PCT) standard
EXTERNAL I/O PORTS	
Serial Ports	4 external ports, +5V/12V power option 3 x RJ45, 1 X DB9
USB	5 total external USB port: 4 x USB 2.0, 1 x USB 3.0
LAN	10/100/1000, internal WLAN option
Cash drawer	1 x RJ 11 (2 drawer support, 12V or 24V)
Audio	Internal speaker
Video	VGA with optional +12V power Optional DisplayPort
Power Input	+19V 4 pin locking connector 65W power adaptor in base
ENVIRONMENT	
Temperature	0°C ~ 40°C (32°F ~ 104°F)
Safety / EMI	CE/FCC Class A
IP Rating	IP64 front bezel, IP54 whole unit
Dimensions (W x D x H)	365 x 220 x 310 mm
OPTIONS	
MSR*, MSR/RFID, MSR/Fingerprint, MSR/iButton reader	
20 x 2 line customer display LCM or VFD	
2nd screen (dual screen system for digital display applications) - 10.1" LCD / 14.1" LCD w/wo touch	
Base mounted UPS, 3.5 hour run time	
OS	
Compatible O/S	Windows 10, Windows 8.1, Windows 7 Pro, POSready 7, Linux

*encrypted version available

Zero edge bezel

14.1 inch 16:9
LCD customer display

Slide in / out mother board

Specifications are subject to change without notice - © AURES 2016

FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.