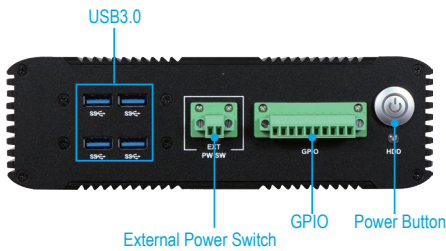
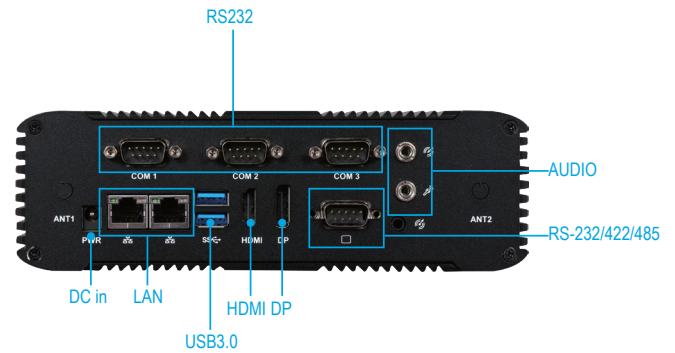


WEBS-13D1

Embedded Rugged Fan-less System with Intel® Atom® E3900 Series based 3.5" ECX Board



The WEBS-13D1 adopts Intel® Atom® Dual/Quad Core™ processor E3900 series and takes its advantages to develop Portwell Design on the system. The CPU/chipset on the backside of the board is good for system thermal design. The perfect thermal solution can easily solve the thermal of CPU. The external power switch is another plus factor. The WEBS-13D1 is a great platform for kiosk, digital signage, and automation applications.

FEATURES

- Support Intel® Apollo Lake series processor
- Support DDR3L-1866/1600 non-ECC SDRAM
- Support dual displays including DP and HDMI
- Support Mini-PCIe / mSATA (Dual Mini-PCIe socket)
- Support 4x COM ports (1x RS-232/422/485)
- 2x Antenna hole for WiFi or 3G/GPS module to use

ORDERING GUIDE

AS5-3523	(R).ATO. WEBS-13D1. 3.5" System
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System

M/B	PEB-2773
System Chipset	Intel® Apollo Lake SoC
CPU	Intel® Atom® Dual/Quad Core E3900 Series Processor (up to 12W) (E3950)
BIOS	AMI UEFI BIOS
Memory	Single 204 pin SODIMM socket support 1333/1600/1866 MHz up to 8GB
Storage	- 1x 2.5" SATA HDD/SSD - 1x mSATA
Watchdog Timer	Programmable watchdog timer, time out period from 1 sec to 255 secs.
H/W Status Monitor	- Temperature (CPU & System) - Voltage (CPU Vcore, 12V, 5V, 3.3V, 1.35V)
Expansion	2x Mini-PCIe socket (Full-size support mSATA / Half-size support WiFi/BT)

External I/O

Serial Port	1x RS-232/422/485, 3x RS-232
Display	1x DP, 1x HDMI
USB	6x USB3.0
Audio	Line-in/Line-out/Mic-in(ALC892)
Ethernet	2x Gigabit Ethernet (Intel® I210IT)
GPIO	1x Programmable 8-bit Digital I/O
Other	2x Antenna hole for WiFi or 3G/GPS module 1x EXT Power Switch

Power Supply Unit

Power Input	DC 12V~24V via DC Jack
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Environmental

Operation Temperature	-20°C ~ 60°C
Storage Temperature	-40°C ~ 80°C
Relative Humidity	95%@40°C, non-condensing
Operation Vibration	5Grms/10-500Hz, IEC 60068-2-06
Operation Shock	50G, 11 msec, IEC 60068-2-27

Mechanical

Dimension	200(W) × 150(D) × 80(H) mm
Weight	2 Kg
Mounting	Wall, Panel mounting