

WEBS-13D1



The WEBS-13D1 adopts Intel® Atom™ processor E3900 series and takes its advantages to develop Portwell Design of that 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 an another plus factor. The WEBS-13D1 is a great platform for kiosk, digital signage, and automation applications.

FEATURES

- Supports Intel® Apollo Lake series processor
- Supports DD3L-1866/1600 non-ECC SDRAM on one SODIMM slots, up to 8GB
- Supports Triple displays including DP and HDMI
- Support Mini-PCIe / mSATA (Dual Mini-PCIe slot)
- Support 4*COM ports(1* RS-232/422/485)
- 2*Antenna hole for WiFi or 3G/GPS module to use

ORDERING GUIDE

System

M_B	PEB-2772
Chipset	
CPU	Intel® Atom™ Dual/Quad Core E3900 series Processor (up to 12W)
BIOS	AMI uEFI BIOS
Memory	Support up to 8GB DDR3L 1333/1600/1866 MH/z SDRAM on one 204 pin SODIMM socket
Storage	- One SATA III port - One mSATA socket(mini-PCIe)
Watchdog_Timer	Programmable watchdog timer, time out period from 1 sec to 255 secs.
Hardware_Monitors	- Temperature (CPU & System) - Voltage (CPU Vcore,12V, 5V, 3.3V, 1.35V)
Expansion_Interface	Two 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	- HDMI: on board connector, resolution up to 3840 x2160 - DP: on board connector, resolution up to 4096x2160
USB	- 2x USB 3.0 ports on rear I/O - 4x USB 3.0 ports on Front I/O
Audio	- High Definition Audio integrated in Intel SoC - Realtek ALC892 HDA codec - Audio jack on rear I/O with Line-out and support Line-in, Mic-in on board pin header
Ethernet	Dual Intel® I210IT GbE controller - 2x RJ45 connectors on rear I/O
GPIO	8-bit configurable controlled by embedded controller
Other	- 2x Antenna hole for WiFi or 3G/GPS module - 1x EXT Power Switch

Power Supply Unit

Power_Input	DC 12V~24V
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Environmental

Operation_Temperature	-20°C ~ 70°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	2Kg
Mounting	Desk, Wall/Panel mounting