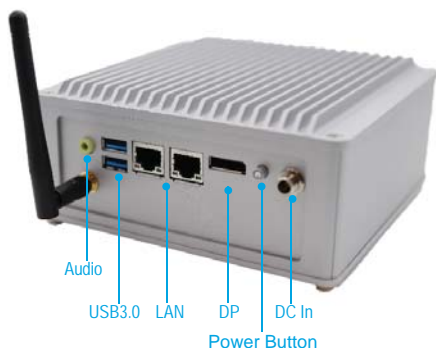# WEBS-1150

Intel® Atom™ Processor E3900 based embedded, fan-less, Nano-ITX form factor system, with support for 8GB DDR3L, Dual GbE, Serial Port, USB 3.0, and DP

Audio
USB3.0 LAN DP DC In
Power Button

USB3.0   Serial Port/VGA

Rugged Fanless COM GbE USB 3.0 Audio 2.5"HDD M2

The Portwell WEBS-1150 features an Intel® Atom™ E3900 family based system in a compact Nano-ITX chassis (5.9" x 5.9" x 2.6"). This system features a wide range of I/O interfaces as well as storage and wireless card additions. The WEBS-1150 operates at a low power consumption of less than 12W, and is completely fan-less, making it a cost-effective and quiet solution. It also supports a wide power input range of 12-24V and wide operating temperature of -40° C to 85° C.

FEATURES

- Intel® Atom™ Quad Core E3900 series SoC
- Up to 8GB DDR3L SODIMM
- Dual Intel® I210IT Gigabit Ethernet
- Supports DC 12-24V Input
- Compact, fan-less enclosure

ORDERING GUIDE

WEBS-1150	(R).WEBS-1150 CHASSIS

System

M/B	NANO-6062
System Chipset	Intel® Apollo Lake SoC
CPU	Intel® Atom™ E3900 family Quad Core SoC
BIOS	AMI UEFI BIOS
System Memory	One DDR3L 1600/1866 SODIMM up to 8GB
Storage	- 1x SATAIII 6.0Gb/s - 1x mSATA
Watchdog Timer	Programmable via S/W from 1 sec to 255 min
H/W Status Monitor	Temperature (CPU, System) and Voltage (Vcore, 12V, 5V, 3.3V, 1.35V)
Expansion	- 1x M.2 slot (Key E) - 1x full-size combo mPCIe/mSATA slot

External I/O

Serial Port	One selectable RS-232/422/485 port
Display	1x VGA, 1x DP
USB	- 2x USB 3.0 (front) - 2x USB 3.0 (rear)
Audio	- Intel® High Definition Audio integrated in Intel® SoC - Realtek ALC892 HDA Codec - Audio jack with Line-out
Ethernet	- Dual Intel I210IT GbE controller - 2x RJ45 ports
GPIO	8bit configurable controlled by embedded controller

Display

Graphic Controller	- Intel® Gen 9 Graphics supports DirectX 12, OpenGL 4.2 / OpenCL 2.0 - Video decode HW acceleration support for H.264, H.265, MPEG2, VC-1/WMV9, JPEG, VP8, and VP9
Display Interface	Displayport: one DP port, up to 4096x2160

Power Supply Unit

Power Input	Supports DC 12-24V Input

Environmental

Operation Temperature	-40° C to 85° C
Storage Temperature	-40° C to 85° C
Relative Humidity	5~95%, non-condensing
MTBF	Over 100,000 hours at 55° C

Mechanical

Dimension	5.9" (W) x 5.9" (D) x 2.6" (H)
Weight	3lb / 1.2 Kg
Mounting	N/A

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