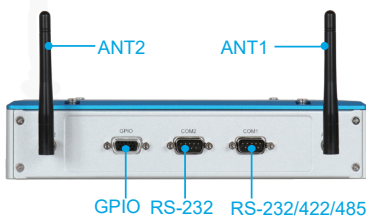
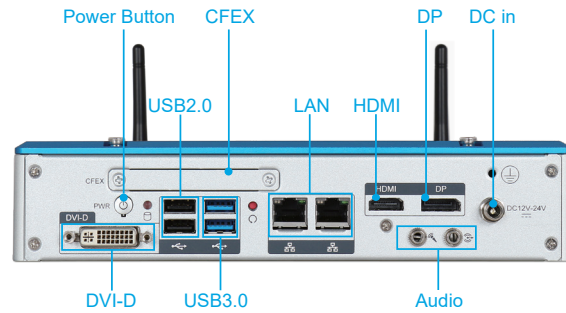


WEBS-5481-S

Embedded Rugged Fan-less System with Intel® Celeron® and Core™ i5/i7 based Specific Form Factor Board



The WEBS-5481-S, a downward/slim version of WEBS-5400 series design concept, builds on Intel® Haswell ULT Low Power SoC and takes advantages of Intel® Core™ mobile processor technologies that can support dual channel DDR3L memory. Support two Gigabit Ethernet ports and two Mini-PCle sockets. The WEBS-5481-S is an ideal platform with HD graphic output for POS, kiosk, digital signage and transportation applications.

FEATURES

- 4th generation Intel® Celeron® & Core™ i5/i7 ULT SoC
- Intel® Haswell ULT SoC low power & high performance embedded fan-less system
- Dual channel SO-DIMM sockets up to 16 GB DDR3L Memory
- 1x 2.5" SATA HDD/SSD, 1x CFE X, 1x mSATA
- 2x Mini-PCle socket can be used in a diversity of applications
- 1x RS-232/422/485, 1x RS-232, 2x USB3.0, 2x USB2.0, 2x Gigabit Ethernet Port
- Triple Display by DVI-D/HDMI/DP
- 2x Antenna hole + 1x on board SIM card holder for WiFi or 3G/GPS module to use
- OP Vibration: 5Grms/10~500Hz
- OP Shock: 50G, 11msec
- IP40 Rating

ORDERING GUIDE

AS5-3407 (R).ATO.WEBS-5481-S.Min-ITX Haswell ULT. Fanless System.



System

M/B	PEB-5731-W Series
System Chipset	Intel® Haswell ULT SoC
CPU	- Intel® Core™ i7-4650U, 1.7GHz, 4M L2 Cache, up to 3.3 GHz, 15W TDP (2C/4T) - Intel® Core™ i5-4300U, 1.9GHz, 3M L2 Cache, up to 2.9 GHz, 15W TDP (2C/4T) - Intel® Celeron® 2980U, 1.6GHz, 2M L2 Cache, 15W TDP (2C/2T)
BIOS	AMI UEFI BIOS (SPI ROM)
System Memory	Dual 204-pin SO-DIMM socket supports DDR3L 1333/1600 up to 16 GB
Storage	1x 2.5" SATA HDD/SSD, 1x CFE X, 1x mSATA
Watchdog Timer	Programmable via S/W from 1 sec. to 255 sec.
H/W Status Monitor	- Temperature (CPU & System) - Voltage (CPU Vcore, VBAT, 5VSB, 12V, 5V, 3.3V)
Expansion	- 1x Full-size Mini-PCle socket (USB+PCle) + SIM Card holder - 1x Half-size Mini-PCle socket (SATA+PCle)

External I/O

Serial Port	2x COM port (1x RS-232/422/485 by BIOS, 1x RS-232)
Display	1x DVI-D, 1x HDMI, 1x DP
USB	2x USB3.0, 2x USB2.0
Audio	Line-out/Mic-in (ALC892)
Ethernet	2x Gigabit Ethernet (Intel® WGI218LM + WGI210AT)
GPIO	1x Programmable 8-bit Digital I/O
Other	2x Antenna hole for WiFi or 3G/GPS module

Power Supply Unit

Power Input	DC 12V ~ 24V
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Environmental

Operation Temperature	-20°C ~ 55°C
Storage Temperature	-40°C ~ 80°C
Relative Humidity	95%@40°C, non-condensing
Operation Vibration	5Grms/10-500Hz, IEC 60068-2-6
Operation Shock	50G, 11 msec, IEC 60068-2-27

Mechanical

Dimension	235(W) x 160(D) x 50(H) mm; 9.2"(W) x 6.2"(D) x 2.0"(H)
Weight	1.8 Kg
Mounting	Wall mounting

