

WEBS-5491

Embedded Rugged Fan-less System with Intel® Atom® E3845 Specific Form Factor Board



The WEBS-5491 is powered by Intel® Atom® quad-core processor. Despite its fan-less and cable-less design, the system can support wide temperature ranging from -30 to 70 degrees. Expandable I/O combination design makes it more flexible for various environments. By utilizing the low power technology, WEBS-5491 is an ideal platform for factory automation and transportation applications.

FEATURES

- Latest Intel® Atom® embedded processor with low power and quad-core technology
- Fan-less and cable-less design with wide temperature support (-30°C ~ 70°C)
- Single SO-DIMM socket up to 8GB DDR3L Memory
- 1x 2.5" SATA HDD/SSD, 1x CF & 1x SD card
- 2x Gigabit Ethernet, 1x USB3.0, 3x USB2.0, 2x RS-232/422/485 (selectable by BIOS)
- 1x DVI-I (DVI-D & VGA signal included)
- 1x Antenna hole for WiFi or 3G module
- Expandable I/O combinations for diverse applications
- Support wide DC 12V ~ 24V input
- Wall, DIN rail mounting are supported
- OP Vibration: 5Grms/10~500Hz
- OP Shock: 50G, 11msec
- IP40 Rating

ORDERING GUIDE

AS5-3435	(R).ATO.WEBS-5491.Intel Baytrail E3845.Fanless System
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System

M/B	PEB-99A4-E3845
System Chipset	Intel® Baytrail SoC
CPU	Intel® Atom® E3845, 2M L2 Cache, 1.91GHz, 10W TDP (4C/4T)
BIOS	AMI UEFI BIOS
System Memory	Single 204-pin SO-DIMM socket supports DDR3L 1333/1600 up to 8 GB
Storage	1x 2.5" SATA HDD/SSD, 1x CF, 1x SD card
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 Half-size Mini-PCle socket (USB+PCle) - 2x RS-232/422/485, 1x RS-232 (Expansion: Option 1) - 1x Line-out, 1x RS-232/422/485, 2x USB2.0 (Expansion: Option 2)

External I/O

Serial Port	2x RS-232/422/485 (Expansion: Default)
Display	1x DVI-I
USB	1x USB3.0, 1x USB2.0, 2x USB2.0 (Expansion:Default)
Audio	1x Line-out (Expansion:Option2)
Ethernet	2x Gigabit Ethernet (Dual Intel® I210IT)
GPIO	N/A
Other	1x Antenna hole for WiFi or 3G module

Power Supply Unit

Power Input	DC 12V ~ 24V
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Environmental

Operation Temperature	-30°C ~ 70°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	279(W) x 164(D) x 42(H) mm; 11"(W) x 6.5"(D) x 1.7"(H)
Weight	2.8 Kg
Mounting	Wall, DIN Rail mounting