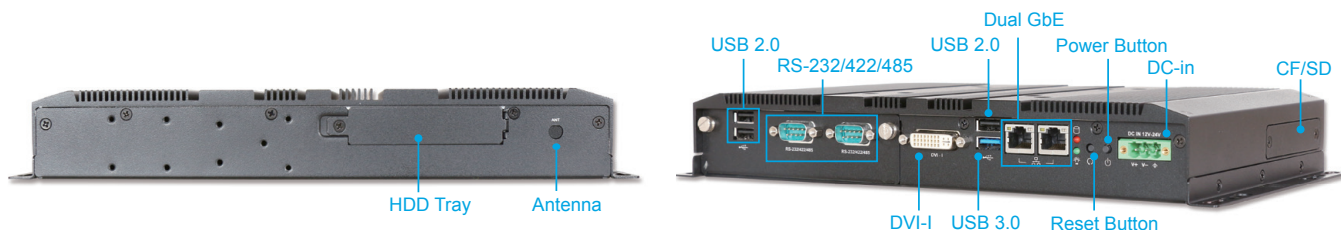




WEBS-5491

Rugged Embedded System with Intel® Atom™ Processor E3845



WEBS-5491 is powered by quad-core Intel® Atom™ processor E3845, featuring wide temperature range support (-30°C to 70°C), flexible I/O configuration, and versatile mounting options. WEBS-5491 is an ideal platform for factory automation and transportation applications.

FEATURES

- Intel® Atom™ processor E3845
- Fanless design with wide temperature range support (-30°C to 70°C)
- One SO-DIMM socket up to 8GB DDR3L memory
- 2x Gigabit Ethernet, 1x USB 3.0, 3x USB 2.0, 2x RS-232/422/485
- 1x 2.5" SATA HDD/SSD, 1x CF & SD
- Wall & DIN-rail mounting options

ORDERING GUIDE

WEBS-5491	WEBS-5491 with Intel® Atom™ E3845, expansion (default)
WEBS-5491-EXP1	WEBS-5491 with Intel® Atom™ E3845, expansion option 1
WEBS-5491-EXP2	WEBS-5491 with Intel® Atom™ E3845, expansion option 2

OPTIONAL ITEMS

Adaptor-60W	60W DC power adapter with Phoenix Contact 3-pin connector
B7300340 + B7540090	DIN-rail mount kit

System

M/B	PEB-99A4-E3845 embedded motherboard
System Chipset	Integrated
CPU	Intel® Atom™ E3845 in FCBGA1170, 1.91 GHz (no turbo), 2 MB, 10W TDP (4C/4T)
BIOS	AMI UEFI BIOS (SPI ROM)
System Memory	DDR3L 1600/1333 MHz memory (non-ECC) 1x 204-pin SODIMM socket, up to 8 GB
Storage	1x 2.5" SATA III SSD/HDD (internal) 1x Compact Flash card socket (internal) 1x SD card socket (internal)
Watchdog Timer	Programmable 1 sec to 255 sec interval
H/W Status Monitor	CPU & system temperature Onboard voltages (CPU Vcore, 12V, 5V, 3.3V, RAM)
Expansion	1x half-size Mini PCIe socket (USB + PCIe x1 signal) Expansion (default): 2x RS-232/422/485 (BIOS selectable) + 2x USB 2.0 Expansion option 1: 2x RS-232/422/485 (BIOS selectable) + 1x RS-232 Expansion option 2: 1x RS-232/422/485 (BIOS selectable) + 2x USB 2.0 + 1x Line-out

External I/O

Display	1x DVI-I, resolution up to 1920 x 1200 @ 60Hz
USB	1x USB 3.0 + 1x USB 2.0 1x USB 3.0 + 3x USB 2.0 (with default expansion & expansion option 2)
Audio	1x Line-out (expansion option 2)
Ethernet	2x Gigabit Ethernet (Intel® I210-IT) 2x RJ45 connectors with LED
Other	1x reserved cutout for wireless antenna

Power Supply Unit

Power Input	12V~24V DC-in
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Environmental

Operating Temperature	-30°C to 70°C
Storage Temperature	-40°C to 80°C
Relative Humidity	95% @ 40°C, non-condensing
Shock and Vibration	IEC 60068-2-64, 5Grms, 5-500Hz IEC 60068-2-27, 50G, 11 ms

Mechanical

Dimension	279 x 164 x 34 mm (11.0" x 6.5" x 1.3")
Weight	2.8 kg
Mounting	Wall (included), DIN-rail (optional)



All product specifications are subject to change without notice.

Last updated: Sep 22, 2016