

SE-8124

Intel® Atom™ E3845 / J1900 Processor Slim and Fanless Embedded PC



TAIWAN
EXCELLENCE 2017



Features



- Intel® Atom™ E3845 / J1900 processor on board
- Fanless and slim design
- 2 GbE LANs, with PoE as option
- 1 x external SD card and 1 x SIM card slot
- Optional 3G module
- Optional wireless LAN module
- Wide-ranged voltage DC In (12~24V)
- Wide-ranged temperature (E3845 only)

Specifications



System

CPU Support	Intel® Atom™ E3845 / J1900 processor
Memory Support	1 x DDR3L SO-DIMM up to 8GB
Watchdog	1~255 seconds watchdog timer selectable
Drive Bay	1 x 2.5" SATAII HDD or SSD drive space support
Power Input	DC In 12~24V
Power Adapter	DC In 24V, 72W or 120W (optional)
Operating System	Windows 10 IoT LTSC 2016 / Windows 8.1 / Windows 7 / WES8.1 Industry Pro / WES7 / Microsoft Azure / Ubuntu14.04
Expansion Slots	1 x full-sized Mini PCIe slot (Mini PCIe, USB and SIM signals) 1 x half-sized Mini PCIe slot (Mini PCIe and USB signals)
System Weight	2 kg
Dimensions	217.5 x 45 x 148 mm (W x H x D)
Certifications	FCC / CE

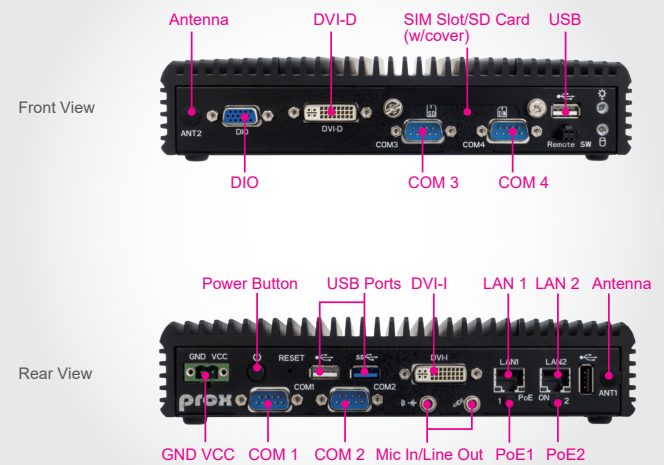
I/O Ports (Front side)

USB	1 x USB 2.0
Serial Ports	COM 3/4 for RS232
Display	1 x DVI-D
Digital I/O	4 in / 4 out
SD Card Slot	1 x external SD card slot with cover
SIM Card Slot	1 x external SIM card slot with cover (optional 3G/4G module)
LED	1 x power LED, 1 x HDD LED
Antenna Hole	1 x antenna hole
Power On/Off	1 x remote switch

I/O Ports (Rear side)

Power Input	1 x 2 pin DC In terminal block, supporting 12-24V DC
Serial Ports	COM 1/2 for RS-232/422/485 (selectable under BIOS) RI/5V/12V selectable by jumper
Display	1 x DVI-I
LAN	2 x GbE LANs with PoE as option, Wake-On-LAN, PXE LAN 1: Intel® I210IT LAN 2: Intel® I210IT 2 x PoE (IEEE 802.3af), max. 15.4W each port
Audio	1 x Line Out, 1 x Mic In
USB	1 x USB 3.0, 2 x USB 2.0
LED	2 x PoE active LED (optional)
Antenna Hole	1 x antenna hole
Power On/Off	1 x power on/off button

System Front View & Rear View



Environment

Operating Temp. (Ambient with airflow)	HDD: 0°C~40°C (32°F~104°F)
	SSD: 0°C~45°C (32°F~113°F)
Storage Temp.	Wide-ranged temperature storage and peripherals: -20°C~55°C (-4°F~131°F) w/o audio and PoE (E3845 only)
	Wide-ranged temperature storage and peripherals: -20°C~50°C (-4°F~122°F) with PoE, w/o audio (E3845 only)
Humidity	20%~90%

Applications

- Automation
- Retail
- Information

* All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information. For detail mechanics drawing, please contact our sales.