

SE-8124



Intel® Atom™ E3845/E3826/J1900 processor slim and fanless embedded PC



USB 3.0

USB 2.0



Features

- Intel® Atom™ E3845/E3826/J1900 processor on board
- Fanless and slim design
- 2 GbE LANs, with PoE as option
- CFAST slot
- 1 x external SD card and 1 x SIM slot
- Optional 3G module
- Optional wireless LAN module
- Wide range voltage DC in (9~36V)
- Wide range temperature (E3845/E3826 only)



Specifications

System

CPU Support	Intel® Atom™ E3845/E3826/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 inch SATA HDD or SSD drive space support
Power Input	DC in 9~36V
Power Adaptor	DC in 24V, 72W or 120W (optional)
Operating System	Win7/ Win8.1/ WES7/ WES8.1 Industry Pro, Ubuntu14.04
Expansion Slot	1 x CFAST slot 1 x full size mini-PCIe slot (mini PCIe, USB and SIM signals) 1 x half size mini-PCIe slot (mini PCIe and USB signals)
System Weight	2Kg
Dimension (W x H x D)	217.5 x 45 x 148 mm
Certificate	FCC / CE

I/O Ports (Front side)

USB	1 x USB 2.0
Serial Port	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)

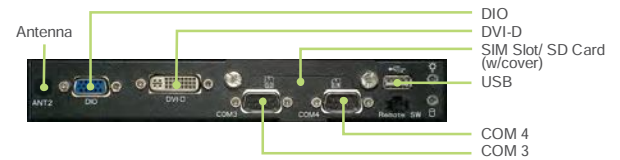
Power Input	1 x 2 pin DC in terminal block, supporting 9-36V DC
Serial Port	COM1/2 for RS-232/422/485 selectable by BIOS, RI/5V/12V selectable by jumper
Display	1 x DVI-I
LAN	2 x GbE LANs with PoE as option, wake-On-LAN, PXE LAN 1: Intel® I210IT LAN 2: Intel® I210IT 2 x PoE (IEEE 802.3af), Max.15.4W each port
Audio	1 x Line out, 1 x MIC
USB	1 x USB3.0, 2 x USB2.0
LED	2 x PoE active LED (optional)
Antenna Hole	1 x antenna hole
Power On/Off	1 x power on/off button

Environment

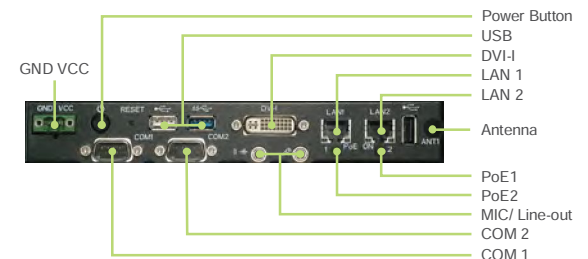
Operating Temperature (with Airflow)	HDD: 0°C ~ 40° C (32°F ~ 104° F)
	SSD: 0°C ~ 45° C (32°F ~ 113° F)
	Wide range temperature storage and peripherals: -20°C ~ 55° C (-4°F ~ 131° F) w/o audio and PoE, E3845/E3826 only
Storage Temperature	Wide range temperature storage and peripherals: -20°C ~ 50° C (-4°F ~ 122° F) with PoE, w/o audio, E3845/E3826 only
	- 30°C ~ 60°C (- 22°F~140°F)
Humidity	20% ~ 90%

* 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.

System Front View



System Rear View



Ordering Information

Order No	Description
SE-8124RA-A0B	Intel® E3845 on board embedded PC with PoE (barebone)
SE-8124RA-B0B	Intel® E3826 on board embedded PC with PoE (barebone)
SE-8124RA-C0B	Intel® J1900 on board embedded PC with PoE (barebone)
SE-8124RA-A1B	Intel® E3845 on board embedded PC w/o PoE (barebone)
SE-8124RA-B1B	Intel® E3826 on board embedded PC w/o PoE (barebone)
SE-8124RA-C1B	Intel® J1900 on board embedded PC w/o PoE (barebone)

* DDR, Slim HDD are available as optional items.

Ordering Accessories

Order No	Description
SE-8124RZ-WL3	Wi-Fi kit (0°C ~70°C)
SE-8124RZ-WL2	Wi-Fi + BT4.0 kit (0°C ~70°C)
SE-8124RZ-WL1	Wi-Fi kit with wide range temperature (-40°C ~85°C)
SE-8124RZ-3G1	3G kit with GSM 900/1800, HSUPA 900/2100. Wide range temperature
SE-8120RZ-WM1	Wall mount kit
SE-8122RZ-DIN	DIN rail mounting kit
52-002-11072302	72W, 24V DC power adaptor
52-002-05120001	120W, 24V DC power adaptor