

# SE-8124



Intel® E3845/E3826/J1900 processor Slim and Fanless Embedded PC



USB 3.0

USB 2.0



## Features

- Intel® E3845/E3826/J1900 processor on board
- Totally fanless and quiet design
- 2 Gbe LAN, with PoE as option
- Support CFast slot
- Support 1 x external SD card
- Optional 3G module
- Optional Wireless LAN module
- Support wide voltage DC in (9~36V)
- Support wide temperature (E3845/E3826 only)

## Specifications

### System

|                       |  |
|-----------------------|--|
| CPU Support           | Intel® E3845/E3826/J1900 processor   |
| Chipset               | Intel® SoC   |
| Memory Support        | 1 x DDR3L SO-DIMM socket, memory up to 8GB   |
| Watchdog              | 1~255secs Watchdog timer selectable  |
| Driver Bay            | 1 x 2.5 inch SATA HDD or SSD driver space support  |
| Power requirement     | 9~36V DC-in  |
| Power Adaptor         | 24V,72W or 120W power adaptor (optional)   |
| O.S. Support          | Win7/ Win8.1/ WES7/ WE8.1 Industry Pro   |
| Expansion Slot        | 1 x CFast slot, 1 x full size mini PCIe slot (PCIe+USB+external SIM card slot), 1x half size mini PCIe slot (PCIe+USB) |
| System Weight         | 2Kg  |
| Dimension (W x H x D) | 217.5 x 45 x 148 mm (8.56" x 1.77" x 5.83")  |
| Certificate           | FCC / CE   |

### I/O Ports (Front side)

|               |  |
|---------------|--|
| USB           | 1 x USB 2.0  |
| Serial Port   | 2x COM port, COM 3/4 for RS232                                 |
| Display       | 1 x DVI-D  |
| DIO           | 4in / 4 out  |
| SD Card Slot  | 1 x external SD card slot with cover                           |
| SIM Card Slot | 1 x external SIM card slot with cover (for optional 3G module) |
| Power ON/OFF  | 1 x remote Power ON/OFF switch                                 |

### I/O Ports (Rear side)

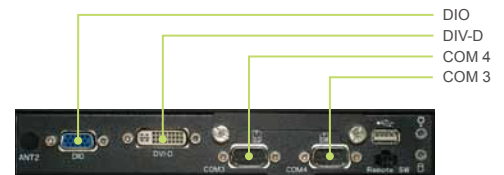
|              |   |
|--------------|---|
| Power input  | 1 x 2 pin DC in terminal block, supporting 9-36V DC   |
| Serial Port  | 2 ports support (COM1/2 for RS232/422/485 selectable by BIOS, RI/5V/12V selectable by jumper)               |
| Display      | 1 x DVI-I   |
| LAN          | 2 x LAN (10/100/1000 Mbps), with PoE as option<br>2 PoE support IEEE 802.3af, Max. 15.4W each port (option) |
| Audio        | 1 x Line out, 1 x Mic in  |
| USB          | 2 x USB2.0 + 1 x USB3.0   |
| Power ON/OFF | 1 x Power ON/OFF button   |

### Environment

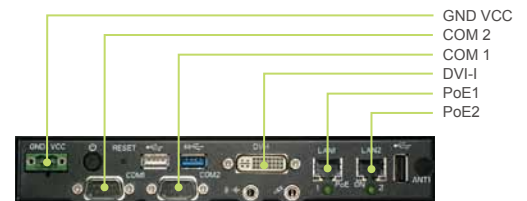
|                                |   |
|--------------------------------|---|
| Operation Temp. (with Airflow) | 0° ~ 45° C (32° ~ 122° F) (w/ ST SSD)   |
|                                | 0° ~ 40° C (32° ~ 104° F) (w/ HDD)  |
|                                | -30° ~ 60° C (-22° ~ 140° F) (with wide temperature peripherals, w/o Audio/PoE, E3845/E3826 only)   |
| Storage Temp.                  | -30° ~ 55° C (-22° ~ 131° F) (with wide temperature peripherals & PoE, w/o Audio, E3845/E3826 only) |
|                                | -30° C ~ 80° C (- 22° F ~ 176° F)   |
| Humidity                       | 20% ~ 90%   |

\* All information contained in this document is subject to change without prior notice. Please log on [www.protech.com.tw](http://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)  |

\* CPU, DDR, Slim HDD are available as optional items.

## Ordering Accessories

| Order No        | Description                |
|-----------------|----------------------------|
| 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 |