EPC

EPC-8120

Slim and Fanless Embedded PC

Features and Benefits:

- Supports Intel® Atom™ E640T/E680T CPU on board
- Fanless and compact size PC
- Maximum support 2 x LAN, 4 x USB2.0 and 4 x Serial port, 4 in/ 4 out Digital IO , 1 x CANBUS
- Support wide temperature -20°C ~ 60°C (for CFast card)
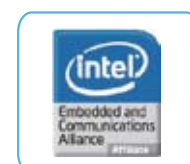- Support 9~36V wide range DC -in

RoHS Compliant

(intel) Atom *inside*

PROTECH SYSTEMS
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(intel) Embedded and Communications Alliance

ISO CERTIFIED
9001 | 14001

EPC-8120 *Slim and Fanless Embedded PC*

Top View

Front View

SCALE 0.500
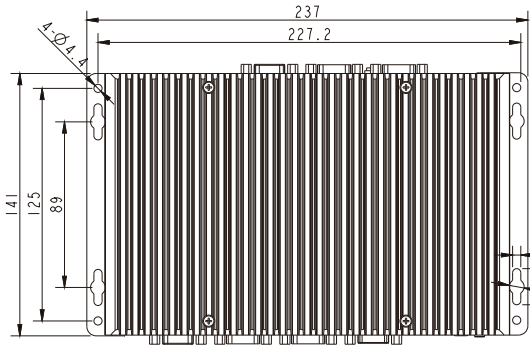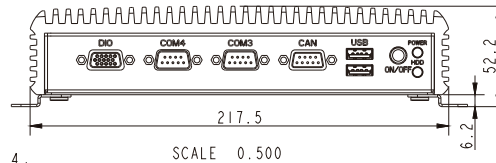
Rear View
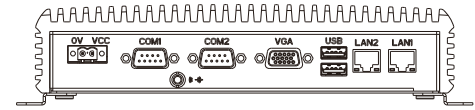
Unit: mm

Specification

System

CPU Support	Intel® Atom™ E640T/E680T CPU on borad
Chipset	Intel® EG20T
Memory Support	DDR2 1GB On board memory
Watchdog	1~255secs Watchdog timer selectable w / Reset / NMI
Driver Bay	1 x 2.5 inch SATA HDD or SSD driver space support
Audio	High Definition Audio
Power Supply	9~36V DC-in
Power Adaptor	24V, 72W power adaptor (optional)
Expansion Slot	1 x CFast slot, 1 x mini-PCIe slot
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)

Serial Port	2 ports support (COM 3/4 for RS232)
Digital I/O	4in / 4out
USB	2 x USB2.0
CAN BUS	1 x CANBUS

I/O Ports (Rear side)

Serial Port	2 ports support (COM1 for RS232, COM2 for RS232/ 422/485, COM1/2 RI/5V/12V selectable)

VGA	1 x VGA
LAN	2 x 10/100/1000 LAN
Audio	1 x Line out
USB	2 x USB2.0

Environment

Operation Temp.	HDD:0°C ~45°C (32°F~113°F) CFast card:-20°C ~ 60°C (-4°F~140°F)
Storage Temp.	- 20°C ~ 70°C (- 4°F~158°F)
Humidity	20% ~ 90%
Anti-Vibration	IEC60068-2-64 Fh

* 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.

Ordering Information

SE-8120RA-A0B	Intel® E640T processor (1.0 GHz) + 1GB memory Embedded PC, w/ 1 x VGA, 4 x COM, 2 x LAN, 4 x USB2.0, 1 x Digital I/O (4in/4out), 1 x CAN BUS
SE-8120RA-B0B	Intel® E680T processor (1.6 GHz) + 1GB memory Embedded PC, w/ 1 x VGA, 4 x COM, 2 x LAN, 4 x USB2.0, 1 x Digital I/O (4in/4out), 1 x CAN BUS

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

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