

PER13A

PERFECTRON

Intel® Atom™ D525 1.8GHz Fanless System with DDR3 SO-DIMM socket and one PCI expansion



Main Features

- Intel® Atom™ Dual Core D525
- 1 x DDR3 SO-DIMM up to 2GB memory
- Dual Intel® 1000 / 100 / 10 Mbps LAN ports
- 4 x USB2.0
- 6 x COM port (4 x RS-232; 2 x RS-232/422/485)
- 1 x DB15 GPIO connector
- 1 x external CF Socket and one external SIM card holder
- 9V ~ 36V DC input support
- ATX power mode
- 1 x PCI Expansion Slot; 1 x Mini PCIe

► Specifications

System

CPU	On-board Intel® Atom™ Dual Core D525 (1.8GHz, 1M Cache) processor
Chipset	Intel® D525 / Intel® ICH8M PCH
Memory	1 x 204pin SO-DIMM, DDR3 800MHz non-ECC, up to 2GB
Expansion Slot	1 x PCI 1 x Mini-PCIe socket
Storage Device	1 x 2.5" SATA HDD drive bay 1 x External CF socket

Front I/O

USB Port	2 x USB 2.0
VGA	1 x DB15 VGA port
LAN	2 x Intel® GbE LAN ports
COM	4 2 x RS-232 2 x RS-232/ 422/ 485 with auto-flow control, isolation protection on COM1 and COM2
Power Switch	1 x 3-pin for remote power on/ off switch
Power Input	9 ~ 36V DC input

Rear I/O

COM	2 x RS-232
USB	2 x USB 2.0 1 x lockable USB
LAN	2 x RJ45
Power Switch	ATX Power on/ off switch
Power Input	9~30V DC input
DIO	1 x DB15 GPIO connector
Power status LEDs	Yes
Antenna holes	2
External SIM Card Holder	1
HDD Access	Yes

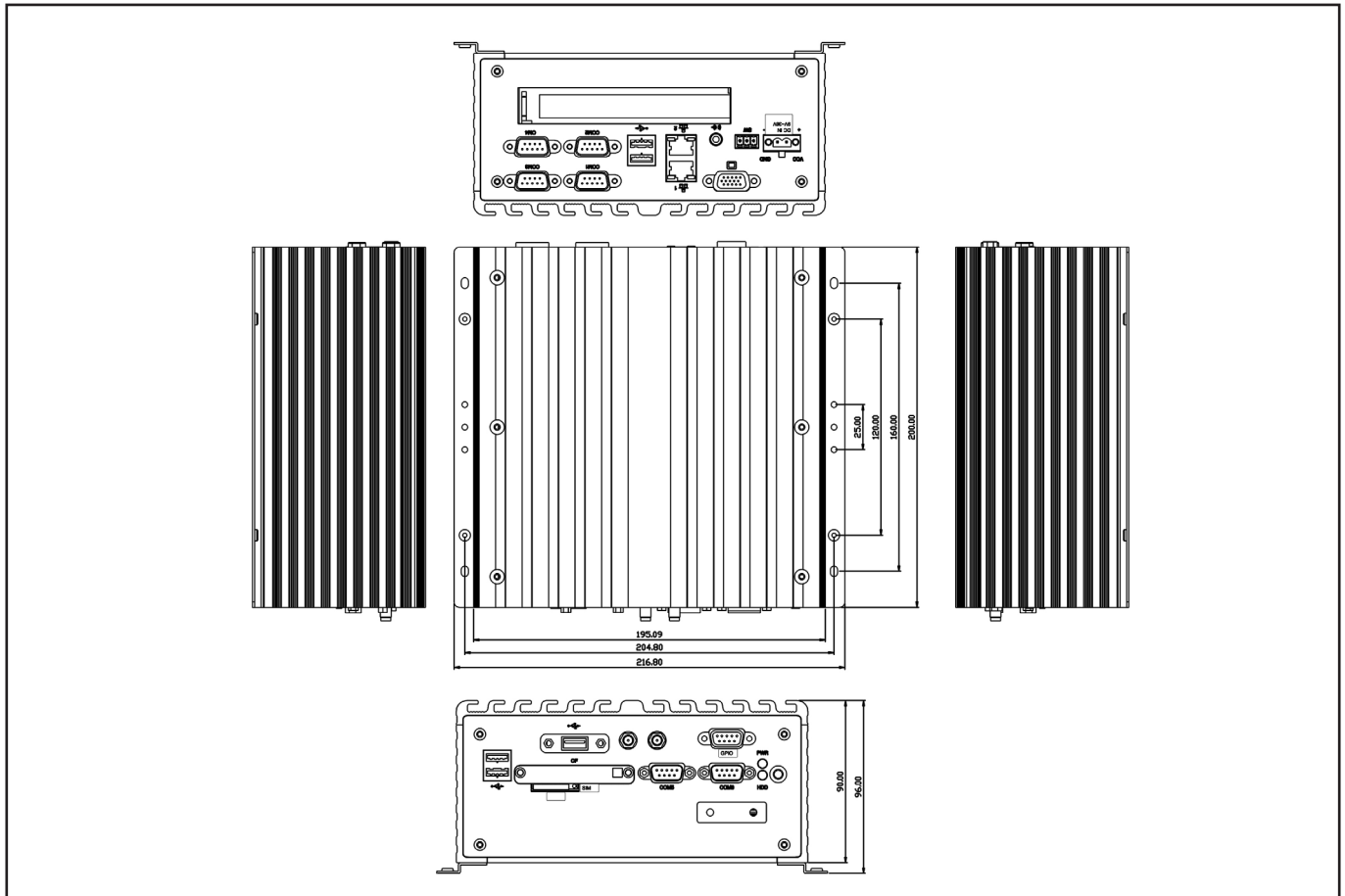
Power Supply

Power Requirement	ATX Power mode DC to DC power design on-board, support 9V ~ 36V DC
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Mechanical & Environment

Operating Temp.	Ambient with air flow: -20°C to 70°C (with industrial grade devices) (According to IEC60068-2-1,IEC60068-2-2, IEC60068-2-14)
Storage Temp.	-20°C ~ 80°C
Relative Humidity	10% to 93% (Non-Condensing)
Dimension	195 mm (W) x 200 mm (D) x 90 mm (H) (7.7" x 7.9" x 3.5")
Certifications	CE approval, FCC Class A

► Mechanical Drawing



► Packing list

- PER13A Fanless System
- Driver CD

► Ordering Information

Modules

Model Number	PER13A
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