PER33A

PERFECTRON

Intel® Core™ i7/ i5 Fanless System with VGA, DVI-I, eSATA and two Expansion Slot

Main Features

- Support Intel® Core™ i7/ i5 socket processor
- Mobile Intel® QM57 PCH
- Dual Intel® Gigabit Ethernet ports
- Dual VGA or VGA/ DVI Independent Display
- 3 x RS232 and 1 x RS232/ 422/ 485 with Auto Flow Control
- 4 x Digital Input, 4 x Digital Output
- DC to DC power design to support 9V to 30V DC power input
- Support ATX power mode and PXE/ WOL

▶ Specifications

System

CPU	Intel® Core™ i7-620M PGA Processor (2.66GHz, 4M) Intel® Core™ i5-520M PGA Processor (2.4GHz, 3M) Intel® P4500 PGA Processor (1.86GHz, 2M)
Chipset	On board Mobile Intel ® QM57 Platform Controller Hub
Ethernet Chipset	no data
Memory	2 x 240-pin memory DIMM, up to 4GB DDR3 800/1066MHz SDRAM, unbuffered and non-ECC
Expansion Slot	1 x PCI 1 x PCIe
Storage Device	2 x 2.5" HDD driver bay

Front I/O

USB Port	2 x USB 2.0 1 x lockable USB2.0
SATA	2
ATX Power Switch	Yes
Power LED	Yes
HDD LED	Yes

Rear I/O

VGA	1 x DB-15
DVI-I	1
COM	1 x DB44 Serial Port for 4x RS232 *COM2: RS232/ 422/ 485 with auto flow control
USB	4 x USB 2.0
LAN	2 x RJ45
Power Switch	2-pin Remote Power on/ off switch
Power Input	9~30V DC input
DIO	1 x DB15 male connector for GPIO *4 x digital-input *4 x digital-output
Keyboard/Mouse	1 x PS/2

Power Supply

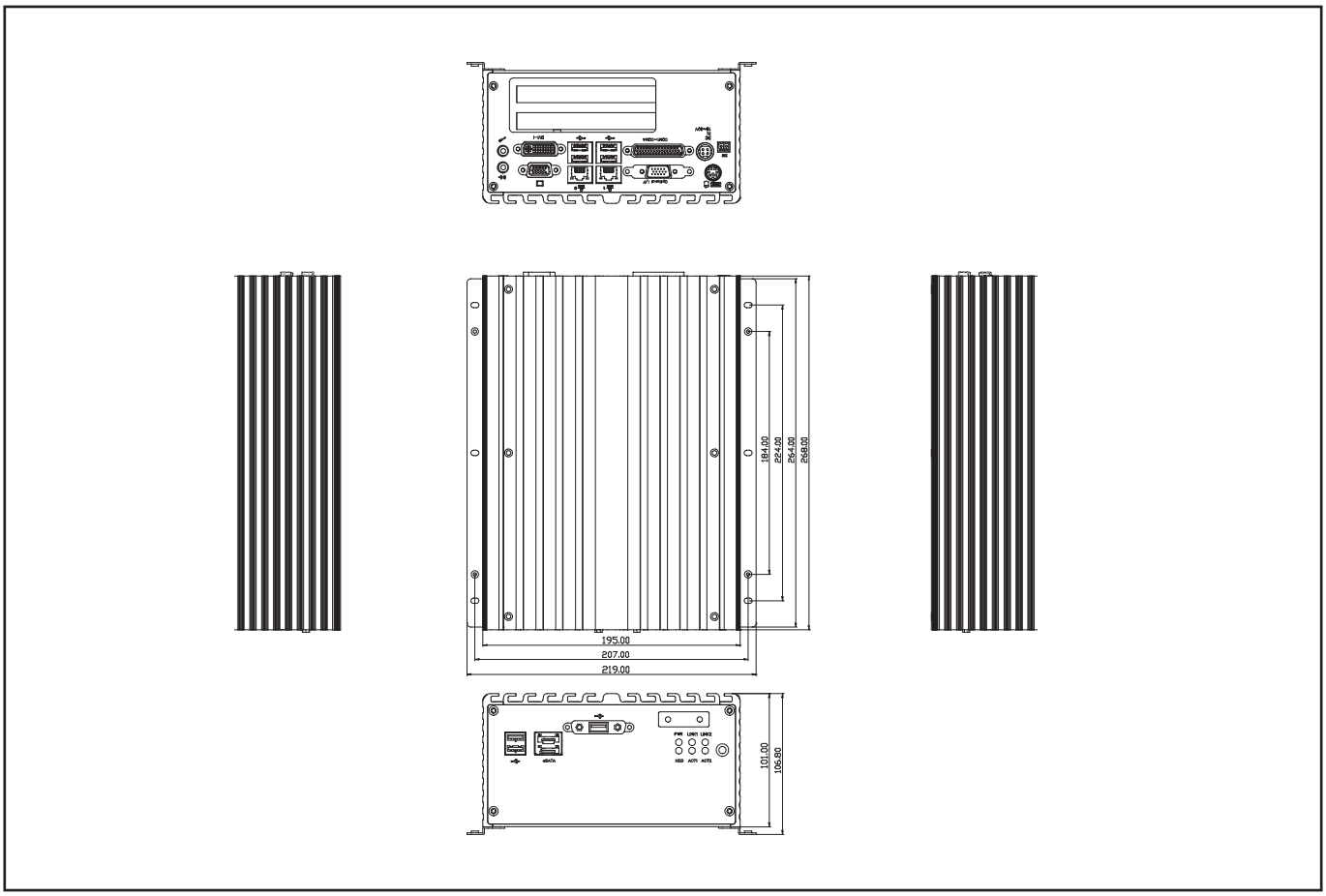
Power Requirement	ATX power mode On-board DC to DC power support from 9V to 30V DC

Mechanical & Environment

Operating Temp.	Ambient with air flow: -5°C ~ 55°C (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	195mm (W) x 268 mm (D) x 101mm (H) (7.7" x 10.5" x 3.98")
Certifications	CE approval, FCC Class A

*All specifications and photos are subject to change without notice.

Mechanical Drawing



Packing list

- PER33A Fanless System
- Driver CD

Ordering Information

Modules

Model Number	PER33A
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