PER35A

PERFECTRON

Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i5/i3 Processor, 9V to 24V DC-in, Wide Temp. -40 to 60°C

KEY FEATURE

- Supports Intel® 22nm Ivy Bridge Processor (Mobile, rPGA988)
- 2 x DDR3 SO-DIMM up to 16 GB
- Supports 2.5" SATA HDD/SSD & CF-SATA socket
- 6 x COM ports
- 4 x USB 3.0 / 4 x USB 2.0
- Dual GbE LAN ports
- 9V ~ 24V DC-in

it's perfect !

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SUPPORT
-20°C~+60°C

Main Features

- Supports Intel® 22nm Ivy Bridge Processor (Mobile, rPGA988)
- 2 x DDR3 SO-DIMM up to 16 GB
- Supports 2.5" SATA HDD/SSD & CF-SATA socket
- 6 x COM ports
- 4 x USB 3.0 / 4 x USB 2.0
- Dual GbE LAN ports
- 9V ~ 24V DC-in

▶ Specifications

System

CPU	Intel® 22nm Ivy Bridge Processor (Mobile) socket (rPGA988) Core™ i5-3610ME 2.7 GHz (3M Cache, 35W) Core™ i3-3120ME 2.4 GHz (3M Cache, 35W)
Chipset	Intel® QM77
Ethernet Chipset	Intel® 82579LM & 82574IT GbE
Memory	2 x 204-pin SO-DIMM DDR3 1333/1600 MHz up to 16 GB
Expansion Slot	1 x Mini-PCIe
Storage Device	1 x 2.5' SATA HDD/SSD 1 x CFast-SATA socket

Front I/O

Power Button	Yes
Power LED	Yes
HDD LED	Yes
LPT	1
COM	5 x RS232
USB	4 x USB 2.0

Rear I/O

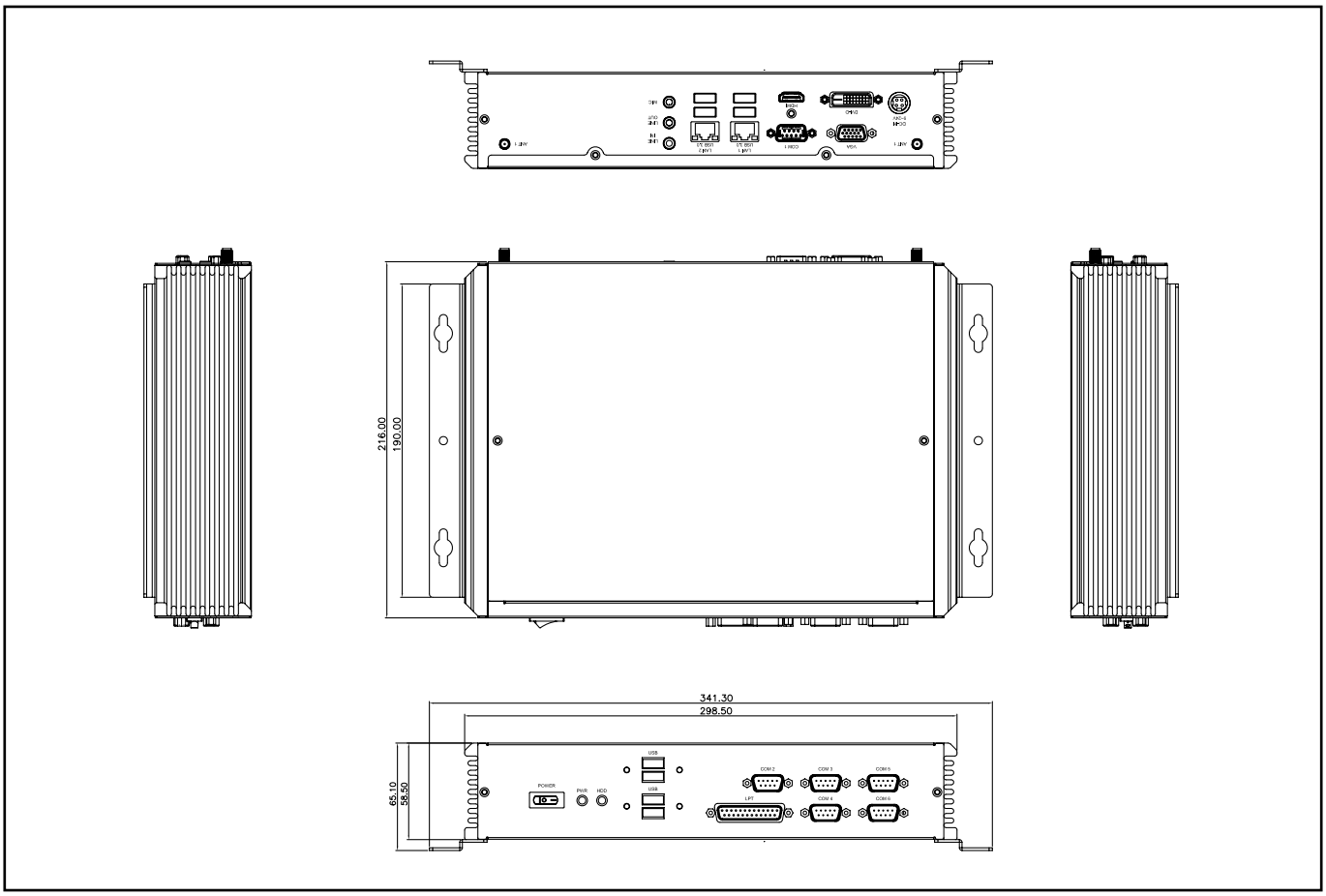
VGA	1
DVI-D	1
HDMI	1
Ethernet	2 x RJ45
Audio	Mic-in, Line-in, Line-out
COM	1 x RS232/422/485
USB	4 x USB 3.0
Antenna	Reserved two antenna holes
DC-Jack	1

Mechanical & Environment

Power Requirement	9V to 24V DC-in
Dimension (W x H x D)	299 x 59 x 216 mm (11.77" x 2.3" x 8.5")
Operating Temp.	-40 to 60°C (ambient with air flow)
Storage Temp.	-20 to 80°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

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

▸ Mechanical Drawing



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Packing List

- PER35A Fanless Rugged System
- Driver CD

Optional Accessories

Power Adapter

19V, 120W, AC/DC power adapter w/o power cord

Ordering Information

Modules

Model Number	Description
PER35A-ET-i5-3610ME	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i5 Processor, 9V to 24V DC-in (-20 to 60°C)
PER35A-ET-i3-3120ME	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i3 Processor, 9V to 24V DC-in (-20 to 60°C)
PER35A-UT-i5-3610ME	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i5 Processor, 9V to 24V DC-in (-40 to 60°C)
PER35A-UT-i3-3120ME	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i3 Processor, 9V to 24V DC-in (-40 to 60°C)

Applications

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