PER535A

PERFECTRON

Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7/i5/i3 Processor, with 1xPCI & 1x PCIe Expansion, 9V to 24V DC-in, Wide Temp. -40 to 70°C

KEY FEATURE

- Supports Intel® 22nm Ivy Bridge Processor (Mobile, rPGA988)
- 2 x DDR3 SO-DIMM up to 16 GB
- Supports 2 x 2.5" SATA HDD/SSD
- 5 x COM ports (3 x RS232, 2 x RS232/422/485)
- 4 x USB 3.0 / 4 x USB 2.0
- Dual Intel® GbE LAN ports
- 1 x PCI, 1 x PCIe x1
- VGA/DVI/HDMI (dual independent display)
- 9V ~ 24V DC-in (by terminal block)

it's perfect !

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Main Features

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▶ Specifications

System

CPU	Intel® 22nm Ivy Bridge Processor (Mobile) socket (rPGA988) Core™ i7-3610QE 2.3 GHz (6M Cache, 45W) 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 support up to 16 GB dual channel DDR3 1333/1600, Non-ECC
Expansion Slot	1 x Mini-PCIe 1 x PCI 1 x PCIe x1
Storage Device	2 x 2.5" SATA HDD/SSD

Front I/O

Power Button	Yes
Power LED	Yes
HDD LED	Yes
COM	2 x RS232/with 5V/12V selectable 1 x RS232 1 x RS232/422/485
USB	4 x USB 2.0

Rear I/O

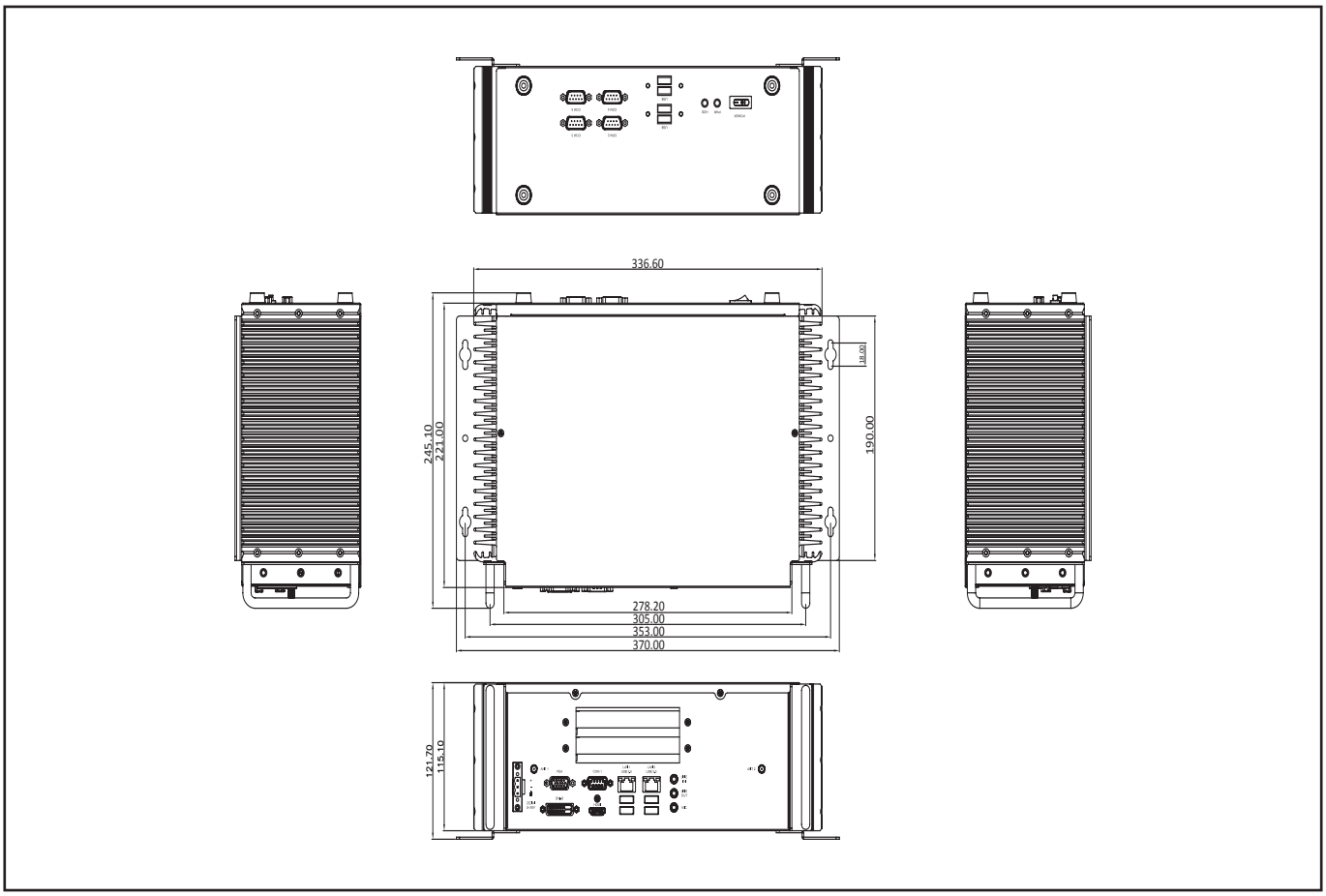
VGA	1
DVI-D	1
HDMI	1
Ethernet	2 x RJ45
Audio	Mic-in, Line-in, Line-out
COM	1x RS232/422/485 with 5V/12V selectable
USB	4 x USB 3.0
Antenna	Reserved two antenna holes
Power Input	9V to 24V DC-in (by terminal block)

Mechanical & Environment

Power Requirement	9V to 24V DC-in
Dimension (W x H x D)	370 x 122 x 246 mm (14.57" x 4.8" x 9.69")
Operating Temp.	-40 to 70°C (ambient with air flow)
Storage Temp.	-20 to 80°C
Relative Humidity	10% to 90%, non-condensing

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

▸ Mechanical Drawing



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▶ Packing List

- PER535A Fanless Rugged System
- Driver CD

▶ Optional Accessories

Power Adapter

19V, 120W, AC/DC power adapter w/o power cord (0 to 40°C, FSP)
24V, 160W, AC/DC power adapter w/o power cord (-30 to 70°C, Meanwell)

Memory

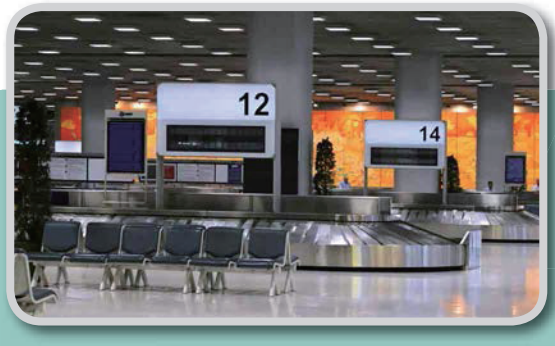
DDR3 1333/1600, Non-ECC SO-DIMM, W/T

▶ Ordering Information

Modules

Model Number	Description
PER535A-ET	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7/i5/i3 Processor, with 1xPCI & 1x PCIe Expansion, 9V to 24V DC-in, Wide Temp. (-20 to 60°C)
PER535A-UT	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7/i5/i3 Processor, with 1xPCI & 1x PCIe Expansion, 9V to 24V DC-in, Wide Temp. (-40 to 70°C, optional)
0C0181118306C00L	Intel® i7-3610QE (45W)
0C0181115901C00L	Intel® i5-3610ME (35W)
0C0181117902C00L	Intel® i3-3120ME (35W)

▶ Applications



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