

ROC335A

PERFECTRON

Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7 Processor, 9V to 24V DC-in, Wide Temp. -40 to 70°C



KEY FEATURE

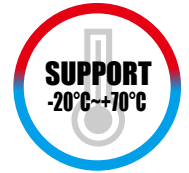
- Supports Intel® 22nm Ivy Bridge Processor (Mobile, rPGA988)
- 2 x DDR3 SO-DIMM up to 16 GB
- Supports 2.5" SATA HDD/SSD & CF-SATA socket
- 5 x COM ports
- 4 x USB 3.0, 4 x USB 2.0
- Dual GbE LAN ports
- 9V ~ 24V DC-in
- Wide temperature -40 to 70°C

it's perfect!

ROC335A

PERFECTRON

Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7 Processor, 9V to 24V DC-in, Wide Temp. -40 to 70°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
- 5 x COM ports
- 4 x USB 3.0, 4 x USB 2.0
- Dual GbE LAN ports
- 9V ~ 24V DC-in
- Wide temperature -40 to 70°C

► Specifications

System

CPU Type	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 Type	2 x 204-pin SO-DIMM DDR3 1333/1600 up to 16 GB
BIOS	AMI® BIOS
Expansion Slot	1 x Mini PCIe slot
Storage	1 x 2.5" SATA HDD/SSD 1 x CF-SATA socket

Front I/O

USB	4 x USB 2.0
COM	4 x RS232
Power Button	Yes
Power LED	Yes
HDD LED	Yes
Audio	Mic-in, Line-out

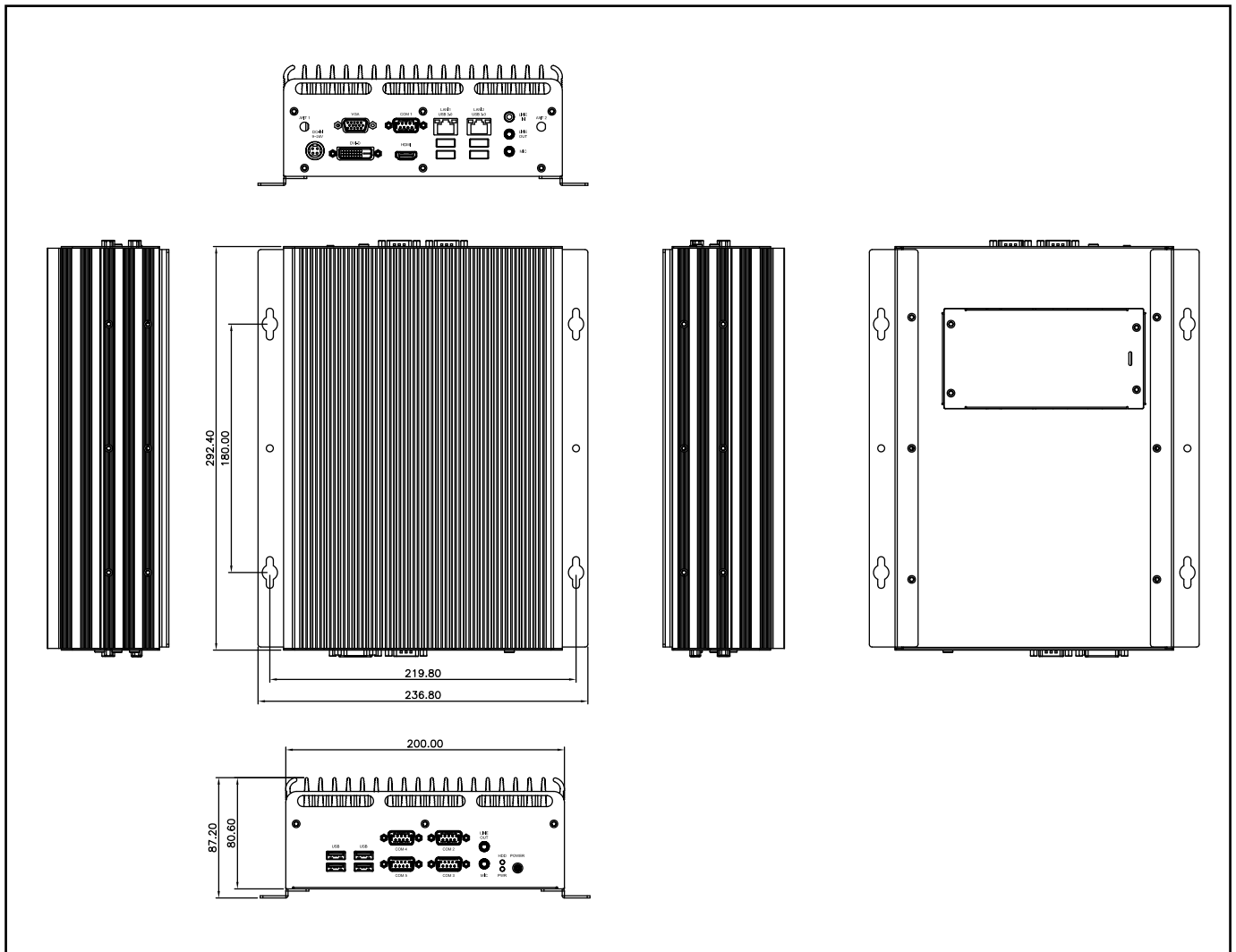
Rear I/O

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

Mechanical & Environment

Construction	Aluminum chassis with fanless design
Power Requirement	9V to 24V DC-in
Dimension (W x H x D)	237 x 88 x 293 mm (9.3" x 3.5" x 11.5")
Operating Temp.	-40 to 70°C (ambient with air flow) *i3-3120ME up to 70°C i5, i7 up to 60°C
Storage Temp.	-40 to 70°C
Relative Humidity	10% to 90%, non-condensing
Certifications	CE, FCC

► Mechanical Drawing



► **Packing List**

- ROC335A 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
ROC335A-ET-i7-3610QE	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7 Processor, 9V to 24V DC-in (-20 to 60°C)
ROC335A-ET-i5-3610ME	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i5 Processor, 9V to 24V DC-in (-20 to 65°C)
ROC335A-ET-i3-3120ME	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i3 Processor, 9V to 24V DC-in (-20 to 65°C)
ROC335A-UT-i7-3610QE	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i7 Processor, 9V to 24V DC-in (-40 to 60°C)
ROC335A-UT-i5-3610ME	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i5 Processor, 9V to 24V DC-in (-40 to 65°C)
ROC335A-UT-i3-3120ME	Intel® QM77 Fanless Rugged System with Intel® Ivy Bridge Core™ i3 Processor, 9V to 24V DC-in (-40 to 65°C)



► **Applications**

