ROC315B

PERFECTRON

Intel® Atom™ N455 Fanless Rugged System, 9V to 30V DC-in, Extended temperature -40 to 70°C

KEY FEATURE

- Supports Intel® Atom N455 (1.66 GHz)
- 1 x 204 pin SO-DIMM DDR3 800 up to 2 GB
- Supports 2.5" SATA HDD/SSD & CF card
- 5 x COM ports
- Dual GbE LAN ports
- 9V to 30V DC-in
- Wide temperature -40 to 70°C
- Ultra slim design (H: 51.0 mm)

it's perfect !

ROC315B

PERFECTRON

Intel® Atom™ N455 Fanless Rugged System, 9V to 30V DC-in, Wide Temp. -20 to 70°C (-40 to 70°C optional)

SUPPORT
-20°C~+70°C

Main Features

- Supports Intel® Atom N455 (1.66 GHz)
- 1 x 204 pin SO-DIMM DDR3 800 up to 2 GB
- Supports 2.5" SATA HDD/SSD & CF card
- 5 x COM ports
- Dual GbE LAN ports
- 9V to 30V DC-in
- Wide temperature -40 to 70°C
- Ultra slim design (H: 51.0 mm)

▶ Specifications

System

CPU Type	Intel® Atom™ N455 1.66 GHz
Chipset	Intel® ICH8M
Ethernet Chipset	RTL8111E GbE LAN
Memory Type	1 x 204-pin SO-DIMM DDR3 800 MHz up to 2 GB
BIOS	AMI® BIOS
Expansion Slot	1 x Mini PCIe slot
Ethernet	2 x RTL8111DL GbE LAN
Storage	1 x 2.5" SATA HDD/SSD drive bay 1 x external CF socket

Front I/O

USB	4
COM	4 x RS232 COM2~4 with 5V/12V selectable
Power Button	Yes
Power LED	Yes
HDD LED	Yes
Audio	Mic-in, Line-out

Rear I/O

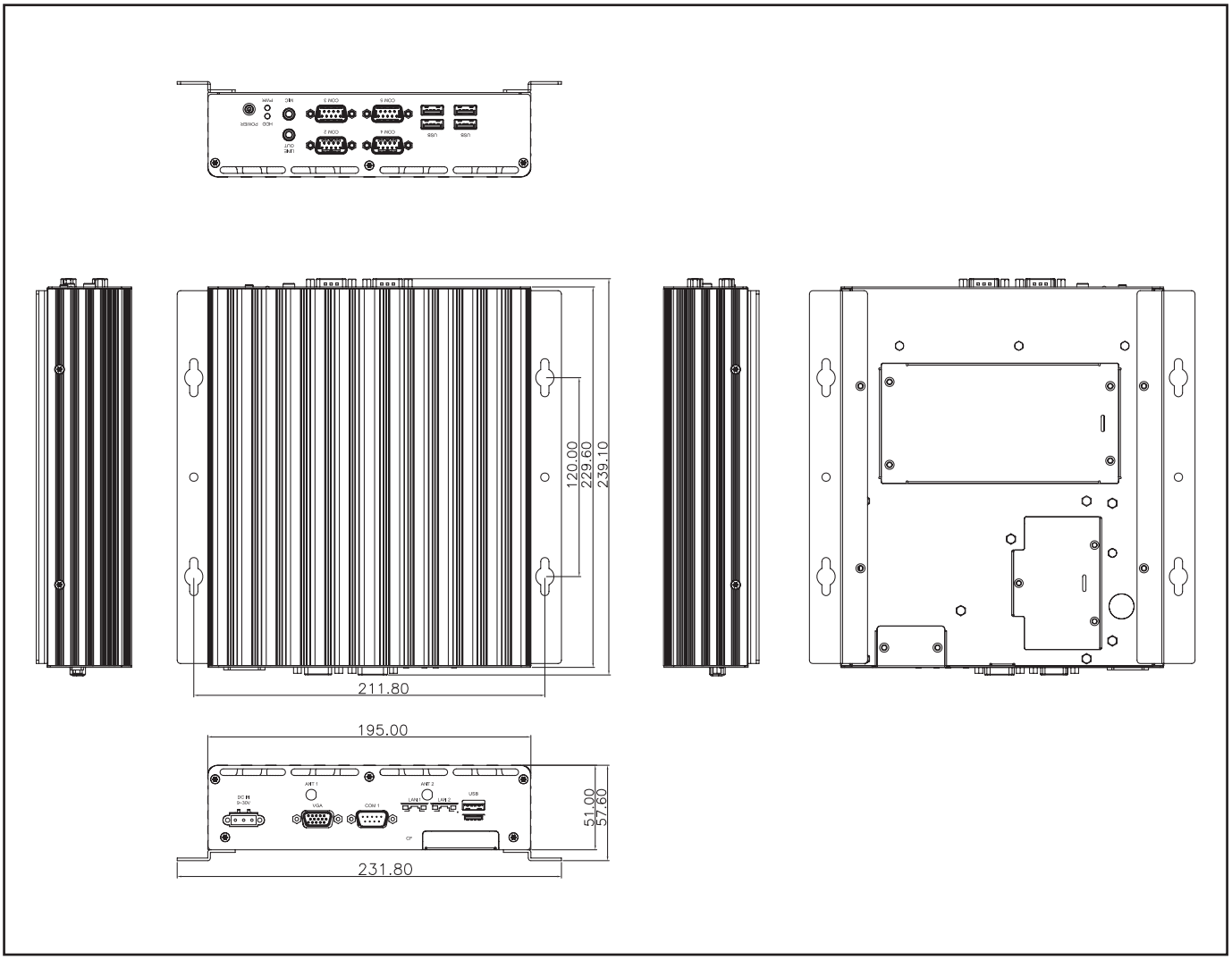
VGA	1
Ethernet	2 x RJ45
USB	2
COM	1 x RS232/422/485 with 5V/12V selectable
Antenna	Reserved two antenna holes
Power Input	9V to 30V DC-in (By terminal block)
CF Socket	1

Mechanical & Environment

Construction	Aluminum chassis with fanless design
Power Requirements	9V to 30V DC-in
Dimension (W x H x D)	195 x 51 x 230 mm (7.7" x 2" x 9")
Operating Temp.	-40 to 70°C (ambient with air flow)
Storage Temp.	-40 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

- ROC315B Fanless Rugged System
- Driver CD

▶ Optional Accessories

Power Adapter

12V, 60W, AC/DC power adapter w/o power cord

▶ Ordering Information

Modules

Model Number	Description
ROC315B-ET	Fanless Rugged System with Intel® Atom™ N455 CPU, VGA, Dual GbE LAN, Audio, 5 x COM, 6 x USB, and 9V~30V DC-in (-20 to 70°C)
ROC315B-UT	Rock Box, Fanless Rugged System with Intel® Atom™ N455 CPU onboard, VGA, Dual GbE LAN, Audio, 5 x COM, 6 x USB, and 9V~30V DC-in (-40 to 70°C)

▶ Applications

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