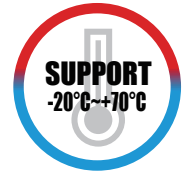


ROC316A

PERFECTRON

Fanless Embedded System with Intel® Atom™ N2800 CPU onboard, DVI-I, Dual GbE LAN, Audio, 5 x COM, 5 x USB and 9V ~ 30V DC in



Main Features

- Intel® N2800 (1M cache, 1.86 GHz) CPU onboard
- 1 x 204 pin SO-DIMM DDR3 800/1066 up to 2GB
- Supports 2.5" SATA HDD/SSD & external CFast socket
- 5 x COM ports (DB-9 male) with 5V/12V selection
- Dual GbE LAN ports
- Display by DVI-I
- 9V ~ 30V DC in
- Wide temperature -20°C ~ +70°C (-40°C ~ +70°C optional)
- Ultra slim design (H: 51.0mm)

► Specifications

System

CPU Type	Intel® Atom™ N2800 1.86GHz onboard
Chipset	Intel® NM10
Memory Type	1 x 204 pin SO-DIMM DDR3 800/1066 up to 2GB
BIOS	AMI® BIOS
Expansion Slot	1 x Mini PCIe slot
Ethernet	2 x RTL8111E GbE LAN
Storage	1 x 2.5" SATA HDD/SSD drive bay 1 x external CFast socket

Front I/O

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

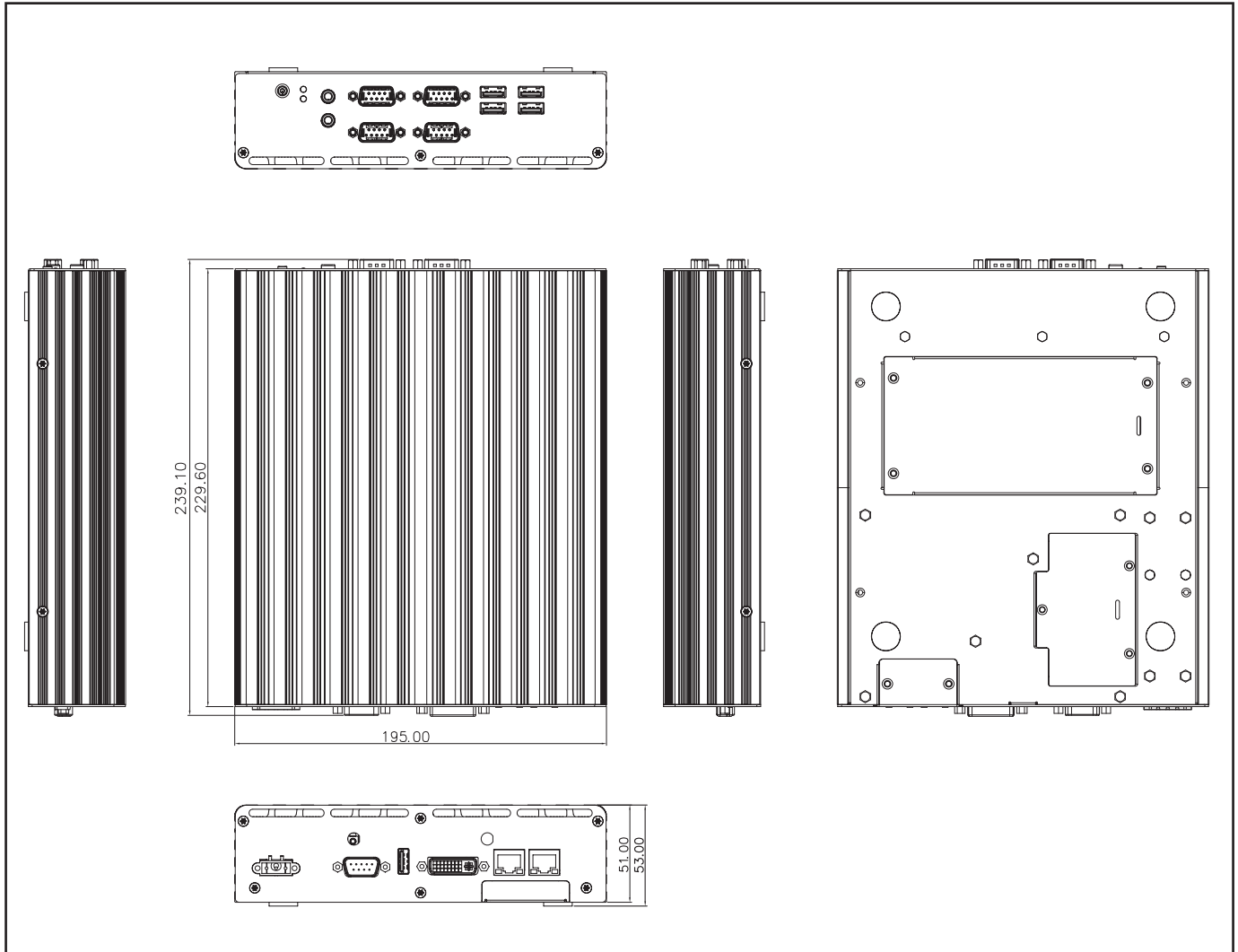
Rear I/O

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

Mechanical & Environment

Power Requirements	9V ~ 30V DC in
Dimension	230 x 195 x 51mm (L x W x H)
Construction	Aluminum chassis with fanless design
Operating Temp.	-20°C ~ +70°C
Storage Temp.	-40°C ~ +80°C
Relative Humidity	10% to 95% (Non-Condensing)
Certifications	CE, FCC

► Mechanical Drawing



► Packing List

- ROC316A Fanless Embedded System
- Driver CD
- AC input 100~240V, 1.5A, 50~60Hz
DC output 12V, 1.5A Power Adapter w/o power cord (optional)
- Wall mount kit (optional)



► Ordering Information

Modules

Model Number	Description
ROC316A-ET	Fanless Embedded System with Intel® Atom™ N2800 CPU onboard, DVI-I, Dual GbE LAN, Audio, 5 x COM, 5 x USB, and 9V~30V DC in (-20°C ~ +70°C)
ROC316A-UT	Fanless Embedded System with Intel® Atom™ N2800 CPU onboard, DVI-I, Dual GbE LAN, Audio, 5 x COM, 5 x USB, and 9V~30V DC in (-40°C ~ +70°C)

Accessories

- DC output 12V, 1.5A Power adapter w/o power cord (optional)
- Wall mount kit (optional)