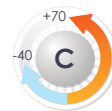


Rigid-313

Extreme Rugged, Intel® Atom™ D2550, Fanless Vehicle Computer



Features

- **Wide Operating Temperature (-40 ~ 70°C)**
- Ultra Low Power and Fanless Design
- Support RS-485 Auto-flow Function
- Support Two DVI Outputs (DVI-I x1/ DVI-D x 1)
- Support CFast Slot
- Support Optional WiFi or HSUPA Wireless Connection
- Wide Range DC Power Input
- Ultra Low Profile Enclosure
- Rugged Design for Shock/Vibration Protection
- Easy Installation/Maintenance
- Expansion: 1 x Mini-card Slot, 1 x SIM Socket
- Intel® SSD Compatible



System

CPU	Soldered onboard Intel® Atom™ D2550 1.86GHz processor
Memory	1 x 204-pin Dual Channels DDR3 SO-DIMM Socket up to 4GB at 800/1066MHz 2GB WT DDR3-1066 SDRAM installed by default
Chipset	Intel® NM10 PCH
Graphics	Integrated Intel® GMA 3150
ATA	1 x Serial ATA port with 300MB/s HDD transfer rate
LAN Chipset	2 x Realtek 8111E Gigabit Ethernet controllers
Watchdog Timer	1~255 levels reset

I/O

Serial Port	2 x RS-232 ports / 2 x RS-232/422/485 selectable ports with DB-44 pin connector
USB Port	6 x USB 2.0 ports
LAN	2 x RJ-45 ports for Gigabit Ethernet
Video Port	1 x DVI-I female connector for Digital Video Output 1 x DVI-D female connector for Digital Video Output
Audio	Mic-in/Line-in/Line-out
Expansion Bus	1 x Mini-card interconnected with SIM card socket for optional WiFi or HSUPA module 1 x SIM Card Socket

Environmental

Operating Temp.	-40 ~ 70°C (-40 ~ 158°F), ambient w/ air flow
Storage Temp.	-40 ~ 85 °C (-40 ~ 185°F)
Relative Humidity	10 ~ 95% @ 40°C (non-condensing)
Vibration	3 Grms/5~500Hz/random operation
Shock & Crash	Operating 20G (11ms), Non-operating 60G with HDD Operating 40G (11ms), Non-operating 80G with CF/SSD Crash 100G (11ms)

Qualification

Certification CE, FCC

Power Requirement

Power Input DC 10~28V input (w/ 1 x 3-pin DC input terminal block)

Power Consumption 30W (Max.)

Storage

Type 1 x 2.5" drive bay for HDD/SSD
1 x CFast Socket

Mechanical

Construction Aluminum alloy

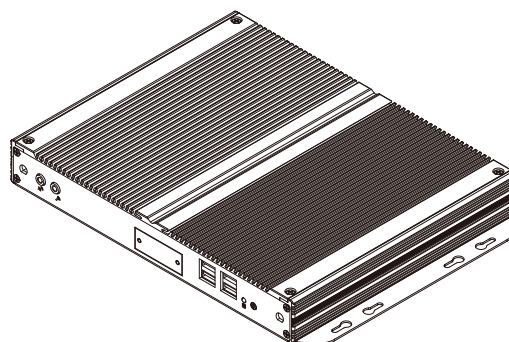
Mounting Wall-mount/VESA-mount/Din rail mounting

Weight 1.89 kg (4.16 lb) (Bare-bone) (ref.)

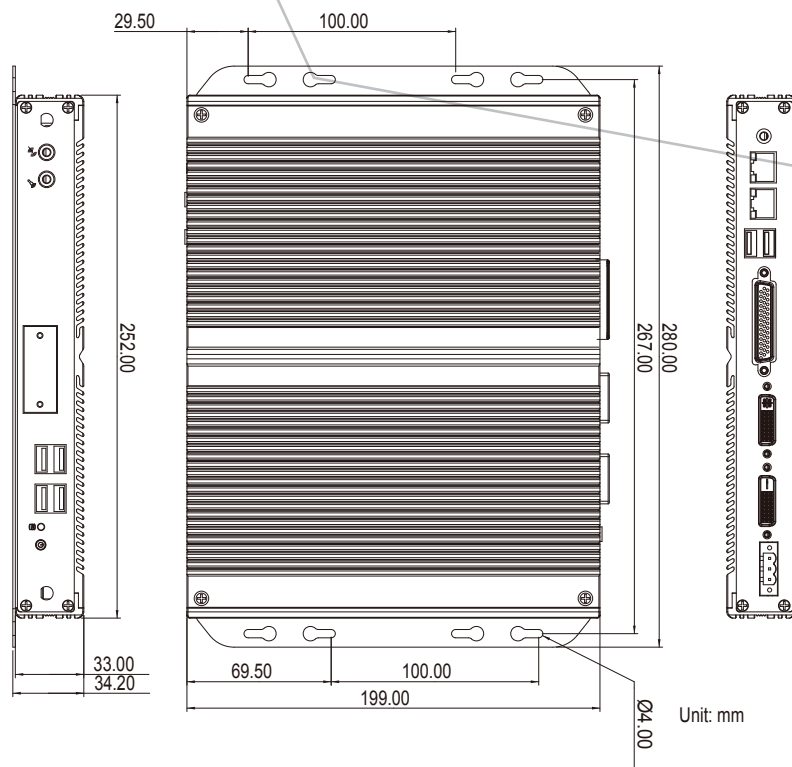
Dimensions (W x D x H) 252 x 199 x 33 mm (9.92" x 7.83" x 1.3")

Ordering Information

Rigid-313 Fanless embedded controller



Dimensions



Standard Accessories

PAC-B065W-1
65W AC/DC adapter kit



Power Input	100 ~ 240 VAC
Power Output	19VDC, 3.4A, 65W

WMK-3100
Wall-mount kit



Material	SECC
Dimensions (W x D x H)	280 x 192 mm (11" x 7.56")

CBL-7100-COM
COM converter cable



External I/O	4 x COM ports
Length	200 mm

Optional Accessories

DRK-001
Din rail kit of FPC series



Material	SPCC + Ni
Dimensions (W x D x H)	242 x 14 x 180 mm (9.53" x 0.55" x 7.09")

VMK-3100
VESA mount kit



Material	SECC
Dimensions (W x D x H)	267 x 4.8 x 16.5 mm (10.5" x 0.19" x 0.37")

Optional Configuration (CTOS* Kit)

SSD-25040
Intel® 2.5" 40GB SATAII SSD kit



Brand/Type	Intel / 2.5 inch
Interface	SATAII
Capacity	40GB
Dimensions (W x D x H)	100.45 x 69.85 x 9.5 mm (3.95" x 2.75" x 0.37")

HSUPA-3500



HSUPA 3.75G module kit w/ 2dBi HSUPA antenna & 25cm internal wiring

WiFi-3500



802.11 b/g/n WiFi module kit w/ 2dBi WiFi antenna & 15cm internal wiring

*CTOS means Configure to Order Service.