

Rigid-313

Extreme Rugged, Intel® Atom™ D2550, Fanless Embedded Controller



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 Outside Accessible CFast and SIM Slots
- Support Optional WiFi or HSUPA Wireless Connection
- Wide Range DC Power Input
- Ultra Low Profile Enclosure (33mm Height Max.)
- Smarter Ignition Power Management, Applicable for Vehicle Application
- Rugged Design for Shock/Vibration Protection
- Easy Installation/Maintenance
- Intel® SSD Compatible

System

CPU	Soldered onboard Intel® Atom™ D2550 1.86GHz processor
Memory	1 x 204-pin DDR3 SO-DIMM socket, supporting 800/1066MHz SDRAM up to 4GB 2GB WT DDR3 memory module installed
Chipset	Intel® NM10 PCH
Graphics	Integrated Intel® GMA 3650
ATA	1 x Serial ATA port with 300MB/s HDD transfer rate
LAN Chipset	2 x Realtek 8111 GbE 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 GbE
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 (6W pre-amplified)
Expansion Bus	1 x Mini-card interconnected with SIM card socket for optional WiFi or HSUPA module 1 x SIM Card socket (Outside Accessible)

Environmental

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

Qualification

Certification CE, FCC Class B

Power Requirement

Power Input DC 10~32V input (w/ 3-pin DC input terminal block)

Power Consumption Max. 30W (w/o I/O card)

Storage

Type 1 x 2.5" drive bay for HDD/SSD
1 x CFast socket (Outside Accessible)

Mechanical

Construction Aluminum alloy

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

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

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

OS Support

Windows XP Embedded / Windows XP Professional / Windows Embedded 7 Professional / Windows Embedded 7 Standard

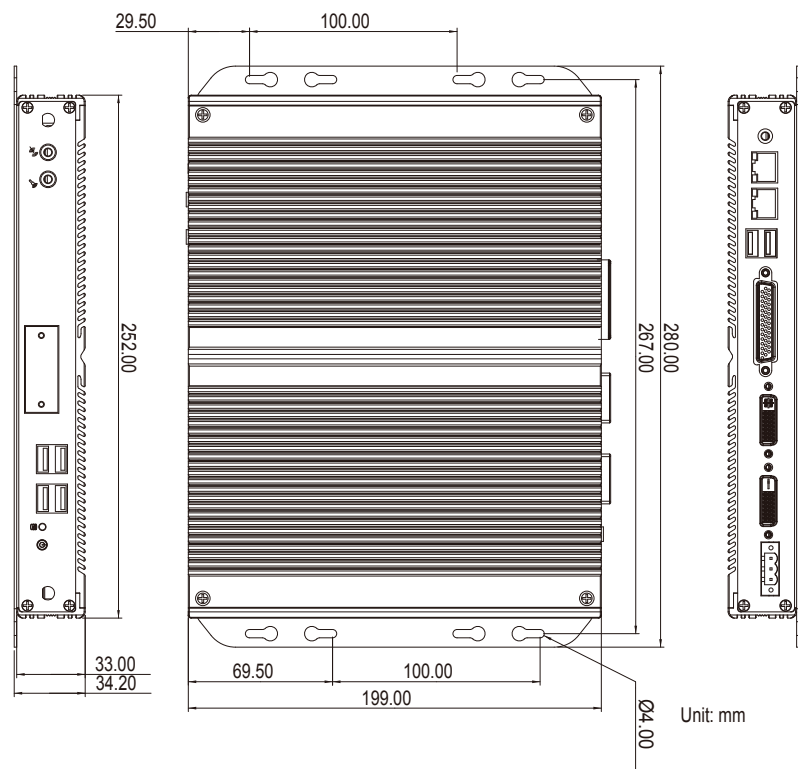
Ordering Information

Rigid-313 Fanless embedded controller



» Fanless Design

Dimensions



Standard Accessories

PAC-P065W 19V/3.4A 65W AC/DC adapter kit



WMK-3100 Wall-mount kit



CBL-7100-COM 4 x COM ports converter cable



Optional Accessories

DRK-001 Din rail kit of FPC series



VMK-3100 VESA mount kit



Optional Configuration (CTOS* Kit)

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



HSPA-SI1400 HSUPA 3.75G module kit & internal wiring



WIFI-IN1300 Intel® Centrino® Advanced-N 6205 WiFi module w/ 20cm internal wiring



ANT-H11 1 x 2dBi HSUPA antenna



ANT-D11 1 x WiFi Dual-band 2.4G/5G antenna

*CTOS means Configure to Order Service.