



Rigid-750

Extreme Rugged, Intel® Core™ i5-520M, Fanless Embedded Controller



Features

- **Wide Operating Temperature (-40 ~ 70°C)**
- **Fanless Design**
- Wide Range DC Power Input (10 ~ 28V)
- Serial Port with 5V/12V Power Output
- Support RS-485 Auto-flow Function
- Support Various Video Interfaces (Analog RGB, DisplayPort, DVI)
- Support Outside Accessible CFast and SIM Slots
- Support Optional WiFi or HSUPA Wireless Connection
- Rugged Design for Shock/Vibration Protection
- Easy Installation/Maintenance
- Intel® SSD Compatible
- Support RAID 0/1

System

CPU	Intel® Socket G Core™ i5-520M 2.4GHz processor 2 x 204-pin DDR3 SO-DIMM sockets, supporting 800/1066MHz SDRAM up to 8GB 2GB WT DDR3 memory module installed
Memory	
Chipset	Intel® QM57
Graphics	Integrated Intel® HD Graphics controller
ATA	2 x Serial ATA ports with 300MB/s HDD transfer rate
LAN Chipset	2 x Intel® WG82574IT GbE controllers
Watchdog Timer	1~255 levels reset

I/O

Serial Port	1 x DB-44 female connector Support 4 x RS-232 ports (COM3, 4 are RS-232/485 selectable)
USB Port	8 x USB 2.0 ports
LAN	2 x RJ-45 ports for GbE
Video Port	1 x DB-15 female connector for Analog RGB 1 x DisplayPort 1 x DVI-D female connector for Digital Video output DVI-D by default, can be changed to DIO or LPT
Selectable Port	1 x 16-bit digital I/O, 8 in/8 out SPP/EPP/ECP mode selectable for LPT
Audio	Mic-in/Line-out (6W pre-amplified)
KB/MS	1 x 6-pin Mini-DIN for keyboard and mouse 1 x PCIe x8 slot
Expansion Bus	1 x Mini-card slot interconnected with SIM card socket for optional WiFi or HSUPA module 1 x SIM 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 60G with CFast/SSD

Qualification

Certification	CE, FCC Class A
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Power Requirement

Power Input	DC 10~28V input (w/ 4-pin DC input terminal block, combining remote power on/off switch)
Power Consumption	Max. 50W (w/o I/O card)

Storage

Type	1 or 2 x 2.5" drive bays for HDD/SSD w/ 9.5mm height limit 1 x CFast socket, can be outside accessible
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Mechanical

Construction	Aluminum alloy
Mounting	Support wall-mounting
Weight	4.2 kg (9.24 lb)
Dimensions (W x D x H)	195 x 268 x 90 mm (7.68" x 10.55" x 3.54")

OS Support

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

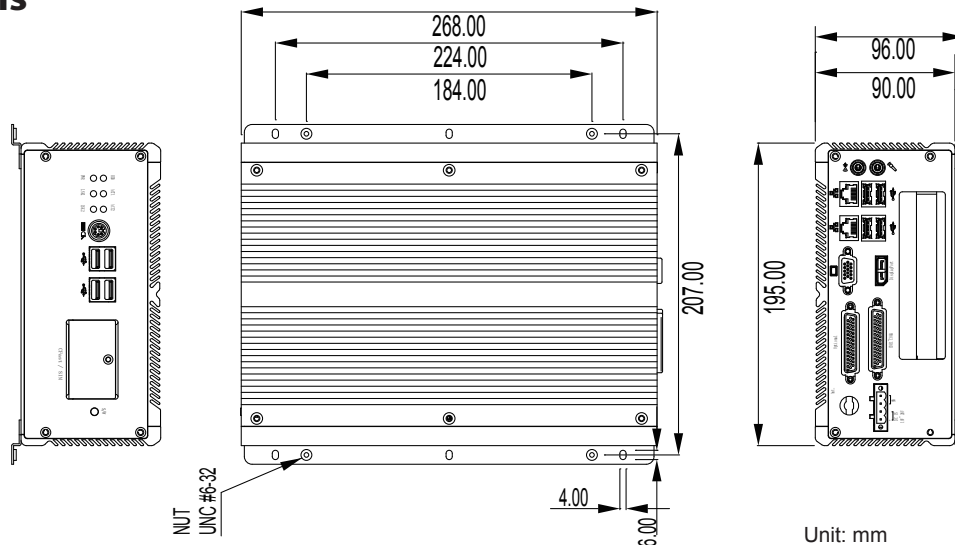
Ordering Information

Rigid-750	Fanless embedded controller
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» Fanless Design

Dimensions



Standard Accessories

PAC-B120W-FSP 19V/6.32A 120W AC/DC adapter kit



CBL-7100-COM 4 x COM ports converter cable



WMK-7000 Wall-mount kit for FPC-7XXX Series



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



MK-3I-2G-2 Industrial DDR3 2GB SDRAM DIMM2 kit

MK-3I-4G-2 Industrial DDR3 4GB SDRAM DIMM2 kit

MK-3I-8G-2 Industrial DDR3 8GB SDRAM DIMM2 kit



*CTOS means *Configure to Order Service*.

» Front-access CFast & SIM for Easy Maintenance



Unscrew and pull down the door



Insert CFast card



Insert SIM card

Mouser Electronics

Authorized Distributor

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