

Rigid-752

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
- Rugged Design for Shock/Vibration Protection
- Rich Onboard I/O and Expansion Slots (1 x PCIe x1, 1 x PCIe x16, 1 x Mini-card, 1 x SIM socket)
- Support Various Video Interfaces (Analog RGB, DisplayPort, DVI)
- Support Outside Accessible CFAST Slot
- Support GSM/UMTS, SIM Card for Connection
- Support DDR3 SO-DIMM up to 8GB
- Easy Installation/Maintenance
- Intel® SSD Compatible

System

CPU	Intel® Socket G Core™ i5-520M processor
Memory	2 x 204-pin Dual Channels DDR3 SO-DIMM Sockets up to 8GB at 800/1066MHz (2GB WT DDR3-1066 SDRAM installed by default)
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 Gigabit Ethernet 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 is RS-232/485 selectable)
USB Port	8 x USB 2.0 ports
LAN	2 x RJ-45 ports for Gigabit Ethernet
Video Port	1 x DB-15 female connector for Analog RGB 1 x DisplayPort 1 x DVI
Selectable Port	DVI by default, which can be changed to DIO or LPT 1 x 16-bit digital I/O, 8 in/8 out SPP/EPP/ECP mode for LPT
Audio	Mic-in/Line-out (6W pre-amplified)
KB/MS	1 x 6-pin Mini-DIN for Keyboard and Mouse
GSM/UMTS	Up to HSUPA 3.75G (optional Mini-card)
Expansion Bus	1 x PCIe x16 slot w/ riser card 1 x PCIe x1 slot w/ riser card 1 x Mini-card slot 1 x SIM 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 40G with HDD Operating 40G (11ms), Non-operating 60G with CF/SSD Crash 80G (11ms)

Qualification

Certification	CE, FCC
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Power Requirement

Power Input	DC 10~28V input (w/ 4-pin DC input terminal block combine remote power on/off switch)
Power Consumption	120W (Max.)

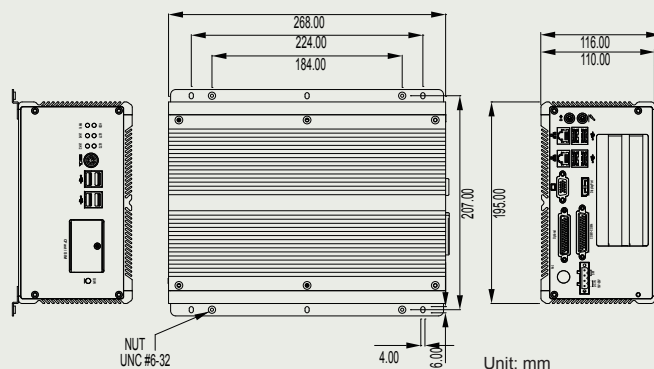
Storage

Type	2 x 2.5" drive bay for HDD/SSD w/ 9.5mm height limit 1 x CFAST Socket which can be outside accessible
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Mechanical

Construction	Aluminum alloy
Mounting	Support wall-mounting
Weight	4.5 kg (9.9 lb)
Dimensions (W x D x H)	195 x 268 x 110 mm (7.68" x 10.55" x 4.33")

Drawing



Ordering Information

Rigid-752	Fanless embedded controller
SSD-25080	Intel® 2.5" 80GB SATAII SSD kit
WRK-GB320	WT DDR3 2GB SDRAM DIMM2 kit