

JPC-8203

2U rack mount rugged computer



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Features

- Contains Intel® Core™ i5-520M/2.40GHz CPU;
- Provides multiple PCI and PCI-E expansion slots;
- Complete range of I/O ports, aviation connectors and PC connectors optional;
- The chassis is shaped by high quality stainless steel sheet, and the panel is made of hard Al-alloy;
- Three-proof treatment for the whole PC, fanless design for the motherboard, excellent heat dissipation and reliable operation.

Specifications

System configuration

Processor	Intel® Core™ i5-520M/2.40GHz CPU
Chipset	Intel® QM57 chipset
Memory	Onboard 2GB DDR3 800/1066MHz memory, MAX up to 4GB

Storage

SATA	HDD optional (supports 2 x 3.5" or 1 x 2.5" wide temperature 100G HDD), 4 x SATA
CF	/
IDE	/

Storage

USB	2 x USB2.0 at front; 2 x USB2.0 port at rear
COM	2 x COM port
LAN	2 x 10/100/1000Mbps LAN port
VGA	1 x VGA port
DVI	/
PS/2	1 x PS/2 port
Audio	MIC-in+Line-out
Others	Aviation connector for power connector

Expansion bus

PCI	2 x PCI expansion
PCI-E	1 x PCI-E x16 expansion
MINI-PCle	/

Mechanical performance

Anti-vibration	5~30Hz/1.2g, 30~50Hz/0.3mm, 50~500Hz/3.0g, three axes, 15min/each axis
Anti-shock	10g/11ms, half-sine wave, three times for each of three axes
EMC	Meets GB 9254 Class B; JPC-8203-01 meets requirements of MIL-STD-461E
Reliability	MTBF ≥ 10000H
Maintainability	MTTR ≤ 0.5H
Protection grade	IP53 for the PC

Mechanical performance

Operating temperature	-10℃~55℃ (-25℃~65℃ optional)
Storage environment	-40℃~65℃
Alternating temperature humidity	40℃, 95% RH
Power supply	220V AC/300W /ATX wide temperature power supply
Weight	/
Dimensions (W×H×D)	482.6mm x 88.1 mm x 488mm

Ordering Information

Part Number	Model Number	Description
0010-039420	JPC-8203-01	Intel® QM57 chipset/ i5-520M 2.4G /Onboard 2GB DDR3 1066 (MAX up to 4G, optional) /PCI-E x16/ 2 x PCI/HDD optional (supports 2 x 3.5" or 1 x 2.5" wide temperature 100G HDD)/300W ATX power (aviation connectors, olive drab)
0010-039430	JPC-8203-02	Intel® QM57 chipset/ i5-520M 2.4G/Onboard 2GB DDR3 1066 (MAX up to 4G, optional)/PCI-E x16/ 2 x PCI/HDD optional (supports 2 x 3.5" or 1 x 2.5" wide temperature 100G HDD)/300W ATX power (standard connectors, icy gray)