

JEC-1503C

Rugged portable computer with 15" and flip-up LCD



Features

- Chassis structure shaped by high quality Al-alloy sheet;
- Special rugged, anti-vibration design
- Sophisticated EMC and waterproof design;
- Modular design, great expansibility;
- Excellent environmental and EMC performance;
- Can be used in vehicle-mounted, airborne and field applications.

Specifications

Display performance

Size	15" wide temperature LCD screen
Maximum resolution	1024*768
Brightness (cd/m ²)	≥400cd/m ²
Contrast ratio	≥700:1

Touch screen	N/A
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System configuration

Processor	Onboard Intel® Core™ i5-520M/2.40GHz/FSB 1066M/35W/ PGA988
Chipset	Intel® QM57
Memory	Onboard 2GB DDR3 800/1066MHz, SO-DIMM, MAX up to 4GB

I/O ports

LAN port	2 x 10/100/1000M LAN port
COM port	2 x RS-232
Parallel port	N/A
USB	4 x USB2.0
PS/2	1 x PS/2
VGA	1 x VGA
Audio	MIC-in+Line-out
Others	

Keyboard/mouse	87-key waterproof keyboard with two-key touch pad
Storage	100G wide temperature notebook HDD, SSD optional
Expansion	Expandable to 3 cards, 2 x PCI, 1 x PCI-E x16

Mechanical performance

Anti-vibration	6~200Hz/1.5g, three axes, 15min/each axis. When SSD is selected: 5~30Hz/1.2g, 30~50Hz/0.3mm, 50~500Hz/3.0g, three axes, 15 minutes for each axis.
Anti-shock	20g/11ms, half-sine wave, three times for each of three axes
EMC	Meets requirements of MIL-STD-461E
Protection grade	IP65 for display monitor and keyboard, IP53 for the PC
Reliability	MTBF ≥ 50000h
Maintainability	MTTR ≤ 0.5h

Mechanical performance

Operating temperature	-20°C~60°C
Storage environment	-40°C~60°C
Alternating temperature humidity	40°C, 95%RH, 5%~95%
Power supply	120W 220VAC/ATX fanless power supply (24VDC/ATX power optional; recommended power: PS-XA312 wide temperature ATX power supply)
Weight	8.5Kg
Dimensions (W×H×D)	394mm(W) x 111.3mm(H) x 324mm(D)

Ordering Information

Part Number	Model Number	Description
0020-057120	JEC-1503C	15" LCD portable PC/QM57/Intel®Core™i5-520E 2.4G/Onboard 2GB DDR3 1066 MAX up to 4G, optional)/ HDD: 2.5" 100G wide temperature HDD/PCI-E x16/2 x PCI/Armoured glass
0020-057110	JEC-1503C	15" LCD portable PC/QM57/Intel®Core™i5-520E 2.4G/Onboard 2GB DDR3 1066 MAX up to 4G, optional)/ HDD: 2.5" 100G wide temperature HDD/PCI-E x16/2 x PCI/Shielding glass

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Rugged Computers