

JEC-1502

Rugged portable computer with 15" LCD and flip-down KS



1

Embedded Boards & Industrial Computers

2

Embedded Systems

3

Communications & Network Application Platform

4

Rugged Computers

Features

- Elegant, portable, shaped by high quality Al-alloy sheet;
- Modular design, which facilitates maintenance;
- Special rugged, vibration isolation technology, high reliability;
- Excellent EMC performance;
- High performance I5 processor as standard configuration; supports 4G DDR3 memory;
- Industrial motherboard optional, with high compatibility and flexible configuration;
- Suitable for vehicle mount, airborne and outdoor applications.

Specifications

Display performance

Size	15" wide temperature LCD screen
Maximum resolution	1024*768
Brightness (cd/m ²)	≥400cd/m ²
Contrast ratio	≥500:1

Touch screen N/A

System configuration

Processor	Onboard Intel® Core™ i5-520E/ 2.40GHz/FSB 1066M/
Chipset	Intel QM57
Memory	Onboard 2G DDR3 1066/MAX up to 4GB

I/O ports

LAN port	1 x 10/100/1000M self-adaptive LAN port, supporting remote wake-up
COM port	2 x RS-232/422/485; COM1 supports wake-up
Parallel port	
USB	4 x USB 2.0
PS/2	
VGA	
Audio	HD AUDIO output; MIC-in, Line-in, Line-out
Others	

Keyboard/mouse	87-key waterproof keyboard with two-key touch pad
Storage	100G wide temperature notebook HDD
Expansion	4 x PCI; 1 x PCI-E x16; 1 x PCI-E x4

Mechanical performance

Anti-vibration	6~200Hz/1.5g, three axes, 10min/each axis.
Anti-shock	20g/11ms, half-sine wave, three times for each of three axes;
EMC	Meets requirements of Five Items of MIL-STD-461E for land forces
Protection grade	IP65 for display monitor and keyboard, IP53 for the PC
Reliability	MTBF ≥ 5000H
Maintainability	MTTR ≤ 0.5h

Mechanical performance

Operating temperature	-20°C~60°C
Storage environment	-40°C~60°C
Alternating temperature humidity	30°C~60°C, 95%RH-85%RH, 2 cycles
Power supply	220VAC/300W/one ATX power supply
Weight	≤ 14.5kg
Dimensions (W×H×D)	430mm x 320mm x 210mm

Ordering Information

Part Number	Model Number	Description
0020-056820	JEC-1502-01 (general configuration)	Intel G41 + INCH7/7R /CPU optional/memory optional/3 x ISA/4 x PCI/HDD optional/300W ATX power supply/ 15" LCD/87-key keyboard
0020-056830	JEC-1502-02 (military standard configuration)	Intel QM57/i5-520E/2.4GHZ /onboard 2G DDR3 1066/2 x PCI-E/4 x PCI/HDD optional/300W ATX power supply/ 15" LCD (sunlight readable optional)/87-key waterproof keyboard