



Model: ROD1040PC

Military Rugged Panel PC Computer

FEATURES:

- 10.4" LCD Low Power Consumption
- Intel Pentium M 1.6GHz CPU
- DDR 266/200 SO-DIMM Memory Upto 2GB
- LCD Optical Bonding
- Resistive Touchscreen
- DC18V to DC32V (Meet MIL-STD-1275)
- Integrated CRT/LCD VGA via i852GM Support 36-bit LVDS for Independent Dual Display
- Gigabit Ethernet Support
- All Aluminum Alloy 60610T6 Housing Design
- MIL-STD-1472F Design
- Safety Angle Housing Design
- Meet TAF Lab's EQT Test



The ROD1040PC is build as a military field computing solution. It meets all the required MIL-STD-810F environmental standards as well as full IP65/NEMA4 enclosure. It also meets the MIL-STD-461E EMI standard. The greatly efficient computing is enclosed with a built-in 10" LCD with touchscreen operation with highly efficient Intel mobile processor. Abundant I/O ports with military connector ensure that communication will be absolutely available. Optional GPS and add-in card slot allow further future flexibility based on requirement. It is a perfect rugged field deployable computing portable solution.

System	
CPU	Intel Pentium M 1.6GHz support 400MHz FSB or Intel Atom 1.6GHz
Chipset	Intel 852GM + ICH4
Memory	1 x DDR 266/200 SO-DIMM socket up to 2GB
Storage	8GB or 16GB CF Card or 2.5" SATA 64GB HDD (Optional)
Ethernet	Intel 8254 Gigabit Ethernet Controller / Intel 8225ER 10/100 Ethernet
I/O Ports (signals will be pull from MIL-connector based on custom request)	1x RS-232/422/485 Port 2x RS-232 Ports 2x USB 2.0 Ports, 1x VGA Port, 1x LAN
Optional Card	PCMCIA or Video Input or Internal Mini-PCI
Touch screen	Resistive Type
Housing Finish	Outside: Dark Green or Navy Grey / Inside: Alodine 1200
Military Connector Position	Rear: Assignment can be arrange based on custom request
Hot Key (Front Access)	ESC/F1/F2/F3/F4/F5/DEL/UP/DOWN/LEFT/RIGHT/CENTER
LCD	800x600 Resolution Brightness: 400 cd/m ² Contrast Ratio: 500:1 Viewing Angle (H-V): 120/100 Backlight MTBF: 20000Hrs
Operating Temperature	-40 °C ~ 65 °C MIL-STD-810F 502.4 low temp test method MIL-STD-810F 501.4 high temp test method
Vibration	2G MIL-STD-810F 514.5 C-3 test method
Shock	40G or 75G (optional) MIL-STD-810F 516-1 test method
Salt Spray Test	MIL-STD-810F 509.4 test method
Relative Humidity	MIL-SSTD-810F 507.4 test method
Housing Protection	IP65

Weight	4 Kg
Power Supply	Input Power Range: DC 18V to 32V
Certificate	MIL-STD-810F MIL-STD-461E CE101 / CE102 / RE102 / CS101 / CS114 / RS101 / RS103
Dimension	280mm (W) x 205mm (H) x 70mm (D)
USB 2.0/1.1 ports	Two external USB ports Four via internal pin headers
GPS	NEMA0183 (optional) S16-channel ANTARIS 4 positioning engine Supports DGPS, WAAS, eGNOS and MSAS A-GPS and Autonomous GPS operation AssistNow ready Chipset: ublox LEA-4S OS support: Windows CE 5.0 Interface: UART Antenna: IPEX type Operating Voltage: 3.3V Consumption current: < 150mA
OS	XP or XP Embedded

MECHANICAL DRAWING

