



## Model: Rmil1040KB

Military Rugged Portable Computing System

### FEATURES:

- 10.4" LCD Low Power Consumption
- Intel Pentium M 1.6GHz CPU
- DDR 266/200 SO-DIMM Memory Upto 2GB
- LCD Bonding With Gapless Design
- 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 60610-T6 Housing Design
- IP65 Water/Dust Rating
- MIL-STD-1472F Design
- Safety Angle Housing Design
- Meet TAF Lab's EQT Test



The Rmil1040KB is a Portable Computer designed 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. This 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 highly available. Optional GPS and add-in card slot allow further future flexibility based on requirement. It is a absolute rugged field deployable computing portable solution. A foldable integrated keyboard and touchpad pointing device makes it a perfect solution for all-in-one purpose and protection.



| 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<br>2x RS-232 Ports<br>2x USB 2.0 Ports, 1x VGA Port, 1x LAN |
| Optional Card   | PCMCIA or Video Input or Internal Mini-PCI   |
| Touchscreen   | 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                                   |

|                              |  |
|------------------------------|--|
| <b>LCD</b>                   | 800x600 Resolution<br>Brightness: 400 cd/m <sup>2</sup><br>Contrast Ratio: 500:1<br>Viewing Angle (H-V): 120/100<br>Backlight MTBF: 20000Hrs   |
| <b>Operating Temperature</b> | -40 °C ~ 65°C<br>MIL-STD-810F 502.4 low temp test method<br>MIL-STD-810F 501.4 high temp test method   |
| <b>Vibration</b>             | 10G<br>MIL-STD-810F 514.5 C-3 test method  |
| <b>Shock</b>                 | 40G or 75G (optional)<br>MIL-STD-810F 516-1 test method  |
| <b>Salt Spray Test</b>       | MIL-STD-810F 509.4 test method   |
| <b>Relative Humidity</b>     | MIL-SSTD-810F 507.4 test method  |
| <b>Housing Protection</b>    | IP65   |
| <b>Weight</b>                | 4.85 Kg  |
| <b>Power Supply</b>          | Input Power Range: DC 18V to 32V   |
| <b>Certificate</b>           | MIL-STD-810F<br>MIL-STD-461E<br>CE101 / CE102 / RE102 / CS101 / CS114 / RS101 / RS103  |
| <b>Dimension</b>             | 290mm (W) x 217mm (H) x 55mm/72mm (D)  |
| <b>USB 2.0/1.1 ports</b>     | Two external USB ports Four via internal pin headers   |
| <b>GPS</b>                   | NEMA0183 (optional)<br>S16-channel ANTARIS 4 positioning engine<br>Supports DGPS, WAAS, eGNOS and MSAS<br>A-GPS and Autonomous GPS operation<br>AssistNow ready<br>Chipset: ublox LEA-4S<br>OS support: Windows CE 5.0<br>Interface: UART<br>Antenna: IPEX type<br>Operating Voltage: 3.3V<br>Consumption current: < 150mA |
| <b>OS</b>                    | XP or XP Embedded  |
| <b>Folding Keyboard</b>      | Plug & Play<br>Built-in Smart Pad touchpad with Left & Right mouse buttons<br>77 keys with Embedded Numeric Keypad<br>Color: Black<br>5 Million Key Switch Cycles  |

## MECHANICAL DRAWING

