

Mobile Rugged Tablet PC IA83

VM121RTP-IA8M

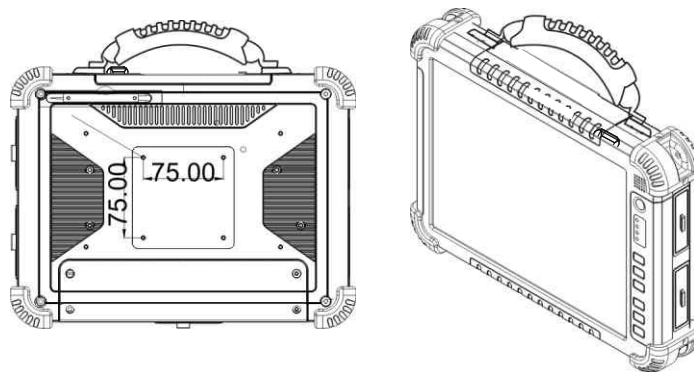
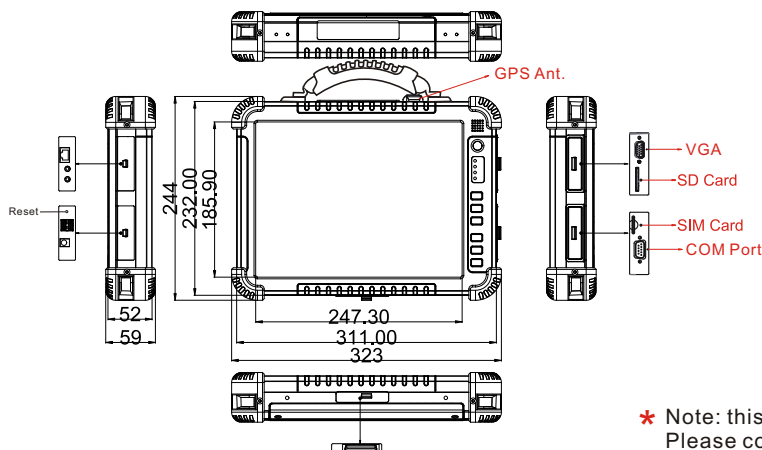
Intel® Atom N270 1.6GHz

Features:

- 12.1" High Quality XGA Resolution LED Panel.
- Intel Atom N270 1.6GHz with Intel 945 GSE + ICH7M Chipset
- 1 x SODIMM, Max. 2GB DDR2(Default 1GB)
- 4 Wire Resistive Sunlight Readable Touch enhanced Viewability (for Optional)
- Alu-Mg Alloy Housing with Protection Rubber for MIL-810F Shock and Vibration Std.
- Built-in Wireless/ Bluetooth/ and GPS module
- Support 3G function (for optional)
- Ergonomic Design with Handstrip and Carry Belt Accessories (for Optional)
- 6cell, 5200mAh Lithium-Ion Battery Pack



Mechanical Design Drawings



* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

System Specification

- Processor : Intel®Atom N270 1.6GHz
- BIOS : AMI System BIOS
- System Chipset : Intel®945 GSE+ICH7 Chipset
- System Memory : 1 x SODIMM, Max 2GB DDR2(Default 1GB)
- LAN Controller : 10/100/1000 Mbps LAN
- Storage : 16GB SATA SSD (Max, up to 64GB)
- Audio : Audio out for headset, Micro in for microphone jack, 1.5W Speaker(Internal)

Wireless Communication

- WLAN : 802.11b/g
- Bluetooth : Bluetooth
- WWAN : Built-in 3G data card(optional)
- GPS : Based on AEC-Q100 qualified GPS chipset
 - 50-channels GPS
 - SBAS (WAAS, EGNOS, MSAS, GAGAN)
 - A-GPS
 - Built-in LNA and SAW filter

Mechanical and Environment

- Dimensions (W x L x H) : 311 x 232 x 52 mm
- Weight : 3Kg(w/o accessories)
- Operation Temperature : -20 deg.C to 60 deg.C
- Operation Humidity : 10% to 90% (non condensing)
- IP Proof : IP54
- Mounting : VESA mount, Vehicle mount
- Shock* : MIL-STD-810F M516.5
- Vibration* : MIL-STD-810F M514.5
- Drop* : 2Ft, Free to concrete
- Certifications : CE, FCC ClassB, UL

Display Specification

- Pixel Number : 1024 x 768
- Brightness : 500cd/m² (typ.)
- Touch (Default) : 4 Wire Resistive

I/O Connectors

- Left I/O Port : 1 x LAN, 2 x USB 2.0, 1 x Audio out, Micro-in Jack, 1 x Power Input Jack, 1 x Reset Button
- Right I/O Port : 1 x COM, 1 x SIM card slot, 1 x VGA, 1 x SD card slot
- Downside Docking : 1 x Docking connector for expansion 4x USB, and Docking Stand Power input

In front Control

- Control Button : 1x Menu Key control Brightness, Volume and Battery Status
- LED indicator : Power On/ Off, Battery, HDD Access, Wifi On / Off

Power Management

- Power input : 19V DC
- Power consumption : 16W typ.
- Battery : Li-Ion battery 5200mAh, 11.1V
- Battery Mark Ver. 4.0.1 : 3 hrs 16 mins
- Standby days : 228 days
- Adapter : 100-240V, 50-60Hz, 19V DC

Rev.	Reasons	Revised Date
1.1	Spec change	Jul-22-11
1.2	Spec change	Aug-10-11
1.3	Spec change	Oct-11-11