

G-WIN[®] Ruggedized Panel PC

Model Number : R10A83S-VMM3



FRONT VIEW



BOTTOM VIEW

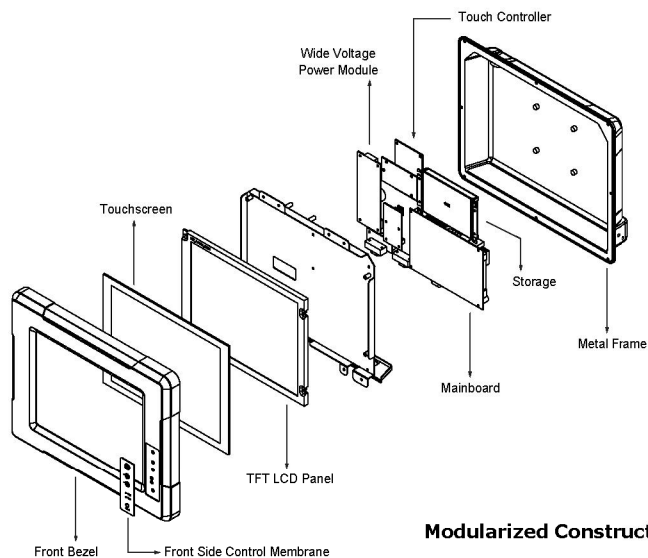


Features :

- Ultra Low Power AMD LX800 500 MHz CPU, Fanless Design
- High Quality 10.4" Panel, 1024x768 resolution
- 5 Wire Resistive / Infrared Touchscreen / Anti-Reflective Protection Glass for option
- 802.11b/g Wireless LAN with Antenna
- Full IP65 Dust/Water Proof Enclosures (Except I/O parts)
- Aluminum Housing with Anti-Corrosion Treatments
- Anti-Shock and Vibration Standard according to MIL810F & IEC60068-2-27
- Wide Range 8 to 36V DC Input Acceptable
- Extended Temperature Range Options

G-WIN[®] Ruggedized Panel PC

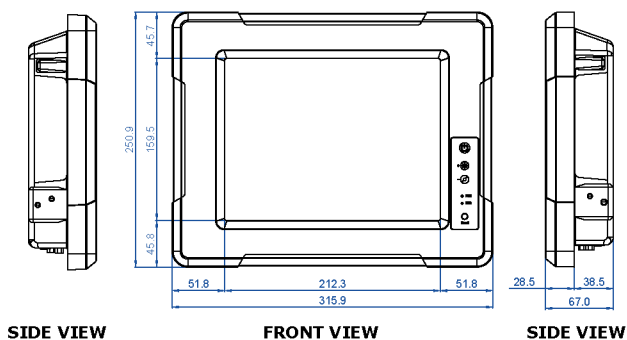
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Modularized Construction



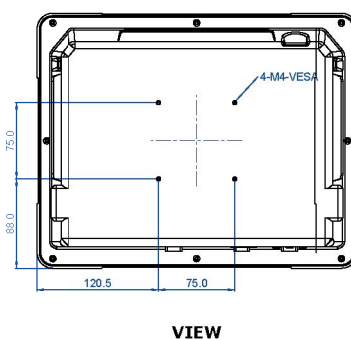
Vehicle Mount



SIDE VIEW

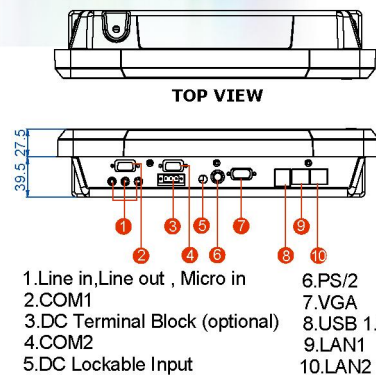
FRONT VIEW

SIDE VIEW



VIEW

Measurements shown in mm
All Dimensions are ± 0.5 mm



TOP VIEW

BOTTOM VIEW

System Specification

Processor	AMD Geode LX-800 500MHz CPU
BIOS	Award 4Mbit Flash
System Chipset	AMD CS5536 Companion Device
System Memory	1 x SODIMM, Max 1GB DDR 400
Wireless	1x Mini PCI base Wireless LAN card with SMA antenna
LAN Controller	Realtek RTL8100c Chipset, 10/100 Mbps
Storage	2.5" Automobile 40G HDD
Expansion Slot	1 x Mini PCI, 1 x CF

I/O Connectors

Back Panel I/O Port	2 x RJ-45(10/100 Mbps, Optional GigaLAN)
	1 x PS/2
	1 x VGA(DB-15)
	1 x DC-in Jack(Lockable)
	2x USB 2.0
	2x RS232/ 1x for RS232/422/485
	Line in, Line out, Micro in
	WLAN antenna SMA in top with water proof

In Front Control

Control Button	Power On/ Off
	Reset
	Brightness Up (up to 100%)
	Brightness Down (dim to 0%)
LED indicator	Power On/ Off
	HDD Status

Display Specification

Size	10.4 inch
Resolution	1024x768
Brightness	350 (cd/m ²)
Touch	5 Wire Resistive

Mechanical and Environment

Dimensions (W x L x H)	315 mm x 250 mm x 67mm
Power Input	DC 8V to 36V with lockable connector
Power Consumption	35W typ.
Operating Temperature	-10 deg.C to 55 deg.C
Operating Humidity	10% to 95% (non condensing)
Mounting	VESA mount, Vehicle mount
Shock	Operating:15g for 11ms, 150m/s ²
Vibration	Operating: 2.18/1.60/1.96 g rms for XYZ / 5-500Hz

Certifications

CE
FCC ClassB
MIL810F/IEC60068-2-27 for Vibration /Shock

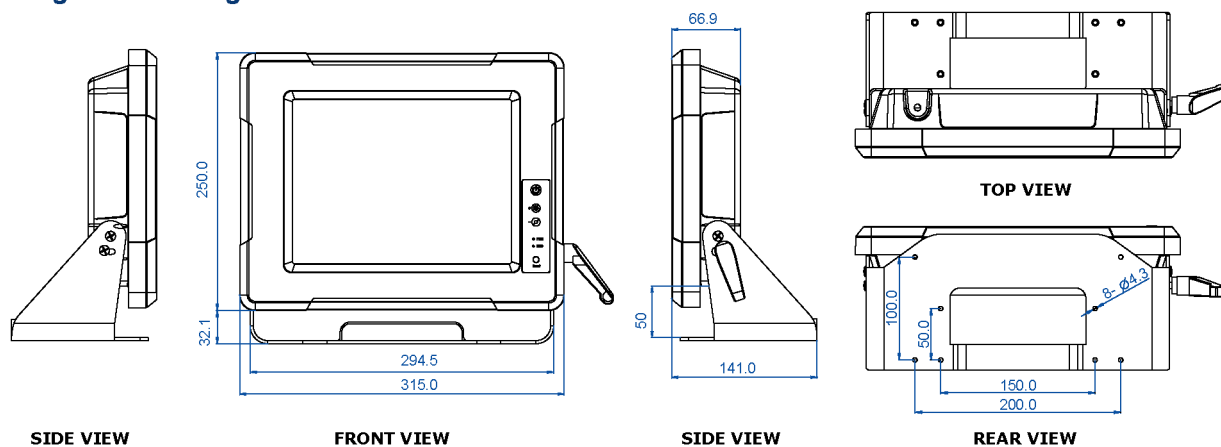
Packing List

1x Panel PC Unit
1x PS/2 Keyboard/Mouse Cable
1x Diver Utility CD
1x A831 SBC User Guide
1x System User Guide
1x Transflective LCD User Guide (Optional)

Options

Accessory	Description
Mounting Bracket and Kits	One robust bracket with locking handle (can adjust from -5deg. to 90deg.)
Operation System	Description
Windows	Windows XPembedded Windows XP Windows CE 5.0
Linux	Linux 2.6.11
Storage	Description
Flash Disk	2.5" 4G Flash Disk (SSD)
CF Card	4G Industrial Compact Flash Card

Drawing with Mounting Bracket :



Measurements shown in mm
All Dimensions are ± 0.5 mm

Ordering Information

Model Number	Description
R10A83S-VMM3/ AT	10.4" Rugged Panel PC w/ 5 wire resistive touch screen
R10A83S-VMM3/ IR	10.4" Rugged Panel PC w/ Infrared (IR) touch screen
R10A83S-VMM3/ AR	10.4" Rugged Panel PC w/ Anti-reflection protection glass
R10A83S-VMM3/ GL	10.4" Rugged Panel PC w/ Realtek 8100cs 10/100/1000 Mbps Giga LAN
R10A83S-VMM3/ WT	10.4" Rugged Panel PC w/ Extended temperature -20 to 60 deg. C module build-in
R10A83S-VMM3/ TB	10.4" Rugged Panel PC w/ Pluggable 3pin terminal block power input

Note: Choose the product with a series of modle number as R10A83S-VMM2/ XX/ XX/ XX