R12ID3S-MRM2
12.1" Intel Atom® N2600 Marine Panel PC

KEY FEATURES

- Intel Atom® N2600 Dual Core Platform, Fanless Design Marine Panel PC
- Dimming knob control backlight brightness from nearly 0% to 100%
- Transflective film technology enhance visibility
- Panel (flush) mount IP66 aluminum housing with powder coating design (IP54 rear)
- 9 to 36 V DC power input acceptable
- High quality touchscreen / AR protection glass for option
- Ease of use front panel OSD control
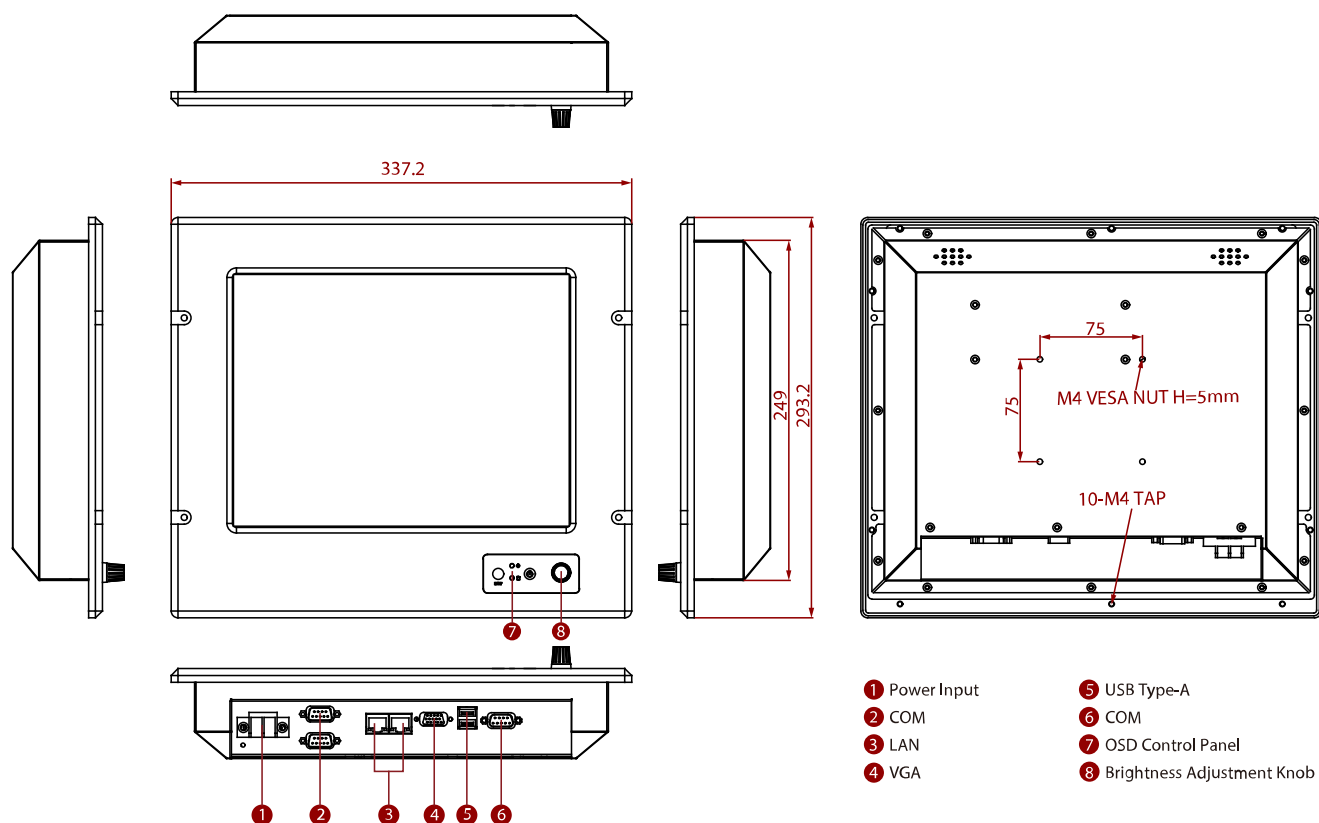- Enhanced shock and vibration resistance

SPECIFICATIONS

Display

Resolution	1024x768	**Size**	12.1 inches
Contrast Ratio	1000:1	**Panel Brightness**	500 nits
View Angles	89,89,89,89	**Active Area**	245.76 x 184.32 mm
Touch / Glass	Resistive Touch Screen AR Glass (Optional)		

System Specification

Processor	Intel Atom® N2600 (1M Cache, 1.6 GHz)	**Chipset**	Intel® NM10
Memory	1 x SO-DIMM, DDR3L 1600 MHz, 4GB	**Storage**	1 x mSATA SSD 128GB mSATA SSD up to 512GB (Optional)
Ethernet controller	BCM57780A1KMLG	**Operating System**	Windows 7 Embedded Systems (Optional) Linux Ubuntu 20.04 (Optional)

Environment

Operating Humidity	5% to 95%	**Operating Temperature**	-15~55°C
Shock	15G,11ms duration	**Vibration**	0.7g@DNVGL CG-0339 (Class A)
IP rating	IP66 (Front Side)		

Certification

Certification	DNVGL-CG-0339, IEC60945 4th, IACS E10, CE, FCC

IO Ports

USB Port	2 x USB2.0	**Serial Port**	1 x RS232/422/485 2 x RS232 or 2 x Isolation RS422/485
Video	1 x VGA	**LAN**	2 x RJ45-10/100/1000 Mbps

Mechanical

Dimension	336 x 293.2 x 50 mm	**Mounting**	VESA Mount/ Panel Mount
Enclosure	Metal Housing with Aluminum Bezel	**Cooling System**	Fanless Design
Cut out	307 x 253mm		

Accessory

Accessory	Driver CD & User Manual

4 x M6 Black Screw Bolt with M6 Nut

Power			
Power Rating	24V DC-in with Isolation (Approval by Certificate) 9~36V DC Input Acceptable	**Consumption**	35W (Typical)

Control	
Button	1 x Power Button 1 x Reset Button 1 x The Dimming Knob

DIMENSIONS UNIT:MM

① Power Input   ⑤ USB Type-A
② COM   ⑥ COM
③ LAN   ⑦ OSD Control Panel
④ VGA   ⑧ Brightness Adjustment Knob

NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Only 24 V DC has been approved by DNVGL certification.
3. Please contact our sales representative if you need further product information.
4. All specifications are subject to change without prior notice.
5. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.