

R12IAN3S-MRM2

12.1" Marine Panel PC with Intel® N150 Processor



KEY FEATURES

- Intel® N150 processor marine panel PC
- Dimming knob control backlight brightness from nearly 0% to 100%
- 9~36V DC power input acceptable
- Panel (flush) mount IP66 aluminum housing with powder coating design

INTRODUCTION

The R12IAN3S-MRM2 is a marine panel PC powered by the Intel® N150 processor, specifically engineered for demanding maritime automation and bridge systems. It features a physical dimming knob for seamless 0% to 100% backlight adjustment, ensuring optimal readability under changing day and night conditions at sea. Encased in a flush-mount, IP66-rated aluminum housing with anti-corrosion powder coating, it offers exceptional durability in harsh marine environments. With support for a wide 9~36V DC power input, this panel PC guarantees reliable and stable performance against vessel power fluctuations.

SPECIFICATIONS

Display			
Resolution	1024x768	Size	12.1 inches
Contrast Ratio	1000:1	Panel Brightness	500.0 nits
View Angles	89,89,89,89	Active Area	245.76x184.32 mm
Touch / Glass	Resistive Touch Screen (Default) AR Glass (Optional)		
System Specification			
Processor	Intel® Processor N150 6M Cache, up to 3.6 GHz	Memory	8GB (Default) 16GB (Optional)
Storage	128GB (Default) 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Operating System	Windows 11 IoT Enterprise (64 bit)		
Environment			
Operating Humidity	5% to 95%	Operating Temperature	-15~55°C
Shock	15G,11ms duration	Vibration	0.7g@DNV-CG-0339 (Class A)
IP rating	IP66 (Front Side)		
Certification			
Certification	CE, FCC		
Mechanical			

Dimension	337.2 x 293.2 x 65.8 mm	Weight	4.5 kg
Mounting	VESA mount/Panel mount	Enclosure	Metal Housing with Aluminum Bezel
Cooling System	Fanless Design	Cut out	307 x 253mm

IO Ports

USB Port	2 x USB3.2 (Type-A) 1 x USB 3.2 (Type C)	Serial Port	1 x RS232 (Default) 2 x RS232 or 2 x Isolation RS422/485 (Optional)
Video	(Default) 1 x HDMI (Optional)	LAN	2 x 2.5 Giga LAN RJ45 Connector

Accessory

Accessory	Driver CD & User Manual 4 x M6 Black Screw Bolt with M6 Nut 1 x AC Adapter12V/ 84W 1 x Power Cord
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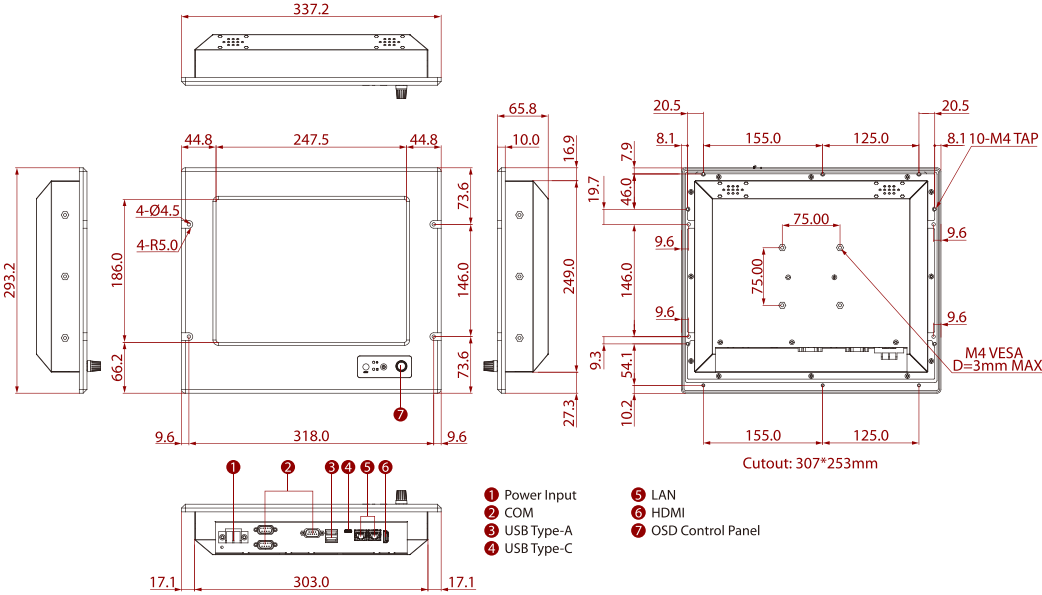
Power

Power Rating	9~36V DC Input Acceptable	Consumption	55W (Typical)
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Control

Button	1 x Power Button 1 x Reset Button 1 x The Dimming Knob
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DIMENSIONS UNIT:MM



NOTE

- 1. This is a simplified drawing and some components are not marked in detail.
- 2. Please contact our sales representative if you need further product information.
- 3. All specifications are subject to change without prior notice.
- 4. 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.