

R12L600-MRM2HB

12.1" High Brightness Marine Display



KEY FEATURES

- Dimming knob control backlight brightness from nearly 0% to 100%
- High brightness TFT-LCD Panel enhances the best visibility(Optional)
- IP66 aluminum housing with powder coating design (IP54 rear)
- 9 to 36V DC to DC power input acceptable (AC power for option)
- High quality touchscreen / AR protection glass for option
- PIP(picture in picture) function and multi-video inputs
- Ease of use front panel OSD control, High Brightness Marine Display
- Enhanced shock and vibration resistance

INTRODUCTION

Winmate Marine Display Series provides reliable and durable performance for maritime environments, available in sizes from 10.1" to 24". Certified with DNVGL-CG-0339, IEC60945 4th, and IACS E10 standards, these displays ensure compliance with marine industry requirements. Featuring an IP66 aluminum housing with powder coating (IP54 rear), a dimming knob for precise backlight control, and enhanced shock and vibration resistance, they are built for harsh conditions. With optional touchscreen or AR protection glass, multi-video inputs, and user-friendly front panel OSD controls, these displays are ideal for navigation and control applications.

SPECIFICATIONS

Display

Touch / Glass	Resistive Touch Screen AR Glass (Optional)	Resolution	1024x768
Size	12.1 inches	Contrast Ratio	1000:1
Panel Brightness	1000.0 nits	Display Color	16.2M Colors
View Angles	89,89,89,89	Active Area	245.76x184.32 mm

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
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IO Ports

Serial Port	1 x RS232 for Remote Control 1 x RS232/USB for Touch Screen	Video	1 x VGA 1 x DVI-D 1 x Composite
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Mechanical

Dimension	337 x 293.2 x 70.8 mm	Weight	4kg
Mounting	VESA mount/Panel mount	Enclosure	Metal Housing with Aluminum Bezel
Cooling System	Fanless Design	Cut out	307 x 253mm

Power

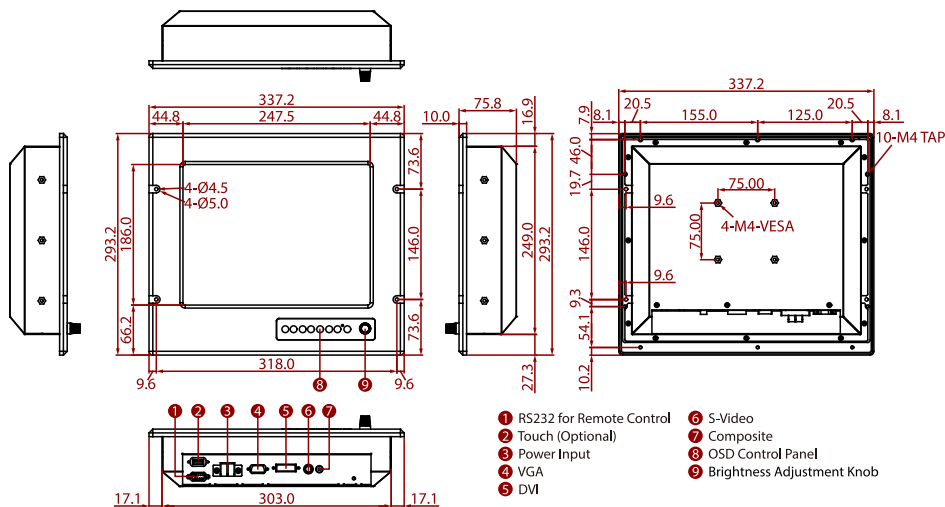
Power Rating	9~36V DC Input Acceptable	Consumption	35W (Typical)
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Accessory

Accessory	1 x User Manual. 1 x DVI Cable. 1 x VGA Cable. 1 x RS232 Serial Cable. 1 x S-Video Cable. 1 x Composite Cable.
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Control

Button	8 key: Esc/PIP Auto adjustment Left Right/Source OK/Menu Up Down Power 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.