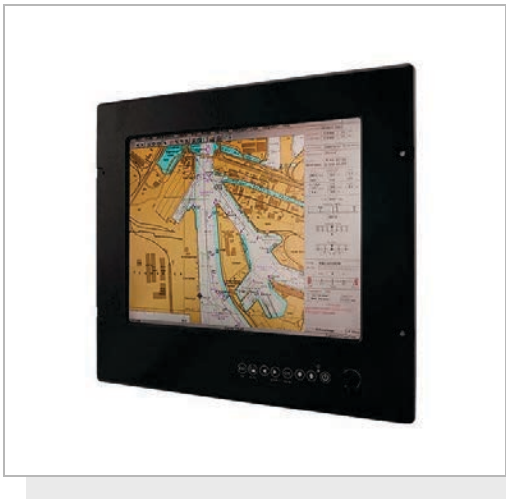


R12L600-MRM2HB

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



OVERVIEW



Reliable Computing Certified for Marine Applications

Winmate Marine Displays are built and tested according to DNVGL-CG-0339 Standard, IEC60945, and IACS-E10 to meet the marine industry's international regulatory requirements. Winmate performs in-house reliability test to ensure optimal performance in harsh maritime environments.



Safe Sailing at Bright Sun, Dusk, and Night

To face the challenges of sailing in different conditions, Winmate Marine Displays suitable for day, dusk, and night settings. Our devices feature hyper dimming technology that can control backlight brightness linearly from nearly 0% to 100% by a dimming knob. Simultaneously, add an optional transfective film to enhance the visibility in an outdoor and bright ambiance environment.



Convenient Front Panel OSD Control, Dimming Knob and built-in Picture-in-Picture (PIP) function

All the controls are located on the front panel OSD for fast access anytime. The dimming knob allows controlling backlight brightness from nearly 0% to 100%, designed for marine industry applications. Winmate Marine Display with built-in Picture-in-Picture function allows you to view the contents of multiple input signal sources at the same time and to easily switch between them



Survives All Weather Conditions

The rugged mechanical design of the Winmate Marine Displays provides enhanced shock and vibration resistance. Also, the high power efficiency and low heat design guarantee the stability and longevity required for mission-critical deployment. Deploy Winmate Marine Display for your safe operations at sea in all weather conditions.



Peripheral Connectivity

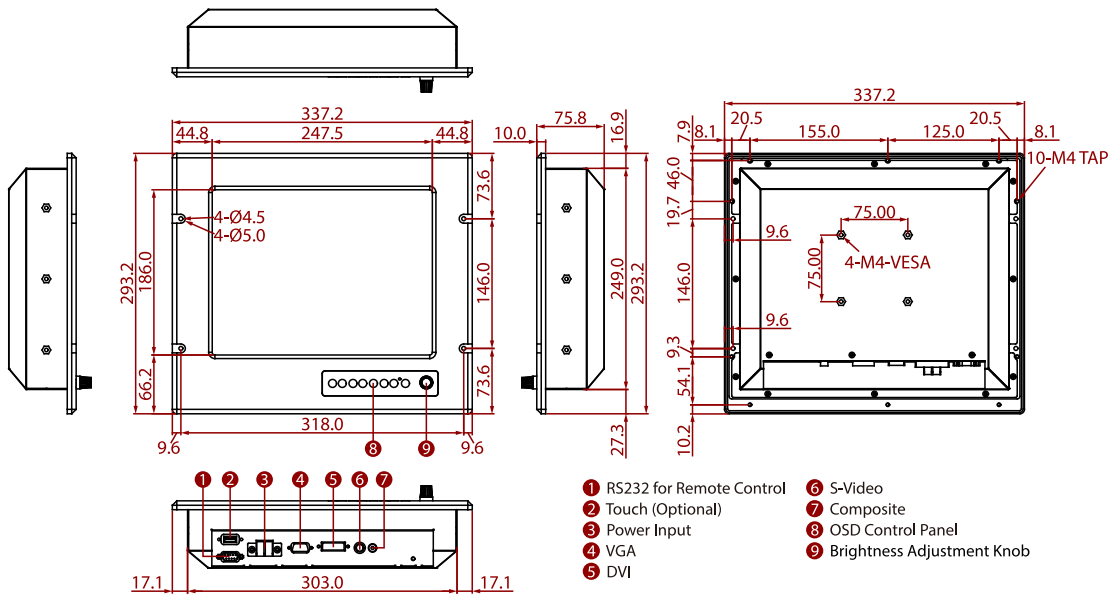
Marine Display feature-rich I/O connectivity consists of one VGA, one DVI-D, one Composite, one S-Video, two COM ports. Easy to integrate into existing marine equipment.

SPECIFICATIONS

| Display | | Resolution | |
|---------------|---|------------|----------|
| Touch / Glass | Resistive Touch Screen AR Glass (Optional) | | 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@DNVGL CG-0339 (Class A) |
| IP rating | IP66 (Front Side) | | |
| Certification | | | |
| Certification | CE, FCC | | |
| 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 1 x S-Video |
| 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) |
| Accessory | | | |
| Accessory | 1 x User Manual. 1 x CD for Touchscreen Driver Tools. 1 x DVI Cable. 1 x VGA Cable. 1 x RS232 Serial Cable. 1 x S-Video Cable. 1 x Composite Cable. | | |
| Control | | | |
| Button | 8 key: Esc/PIP Auto adjustment Left Right/Source OK/Menu Up Down Power 1 x The Dimming Knob | | |

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.