MM10MD MarineMaster Panel PC



KEY FEATURES

- 10.4" 800 x 600 resolution Marine Display
- Resistive touch screen (Optional protection glass w/o touch function)
- IP66 aluminum housing with powder coating design (IP54 rear)
- 24 V DC power supply with terminal block (Default, isolation resistance)
- Picture-in-picture (PIP) function and multi-video inputs
- Ease-of-use front panel OSD control
- Enhanced shock and vibration resistance
- Certified DNVGL-CG-0339, IEC60945 4th, IACS E10
- Dimming knob to control backlight brightness from nearly 0% to 100%

OVERVIEW



Reliable Computing Certified for Marine Applications

Milrack Marine Displays are built and tested according to DNVGLCG0339
Standard, IEC60945, and IACSE10to meet the marineindustry international regulatory requirements.
Milrack performs inhouse 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, Milrack 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 transflective film to enhance the visibility in an outdoor and bright ambiance environment.



Convenient Front Panel OSD Control, Dimming Knob and built-in

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. Milrack Marine Display with built in
PictureinPicturefunction 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 Milrack 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 Milrack Marine Display for your safe operations at sea in all weather conditions.



Peripheral Connectivity

Marine Display featurerich I/O connectivity consists of one VGA, one DVID,one Composite, one SVideo, two COM ports. Easy to integrate into existing marine equipment.

SPECIFICATIONS

Display			
Resolution	800x600	**Size**	10.4 inches
Contrast Ratio	400:1	**Panel Brightness**	600 nits

Display Color	262K Colors	**View Angles**	70,70,70,60
Active Area	211.2x158.4 mm	**Touch / Glass**	Resistive Touch Screen AR Glass (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

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	339 x 256 x 72 mm	**Weight**	3.7 kg
Mounting	VESA Mount/ Panel Mount	**Enclosure**	Metal Housing with Aluminum Bezel
Cooling System	Fanless Design	**Cut out**	300 x 232 mm

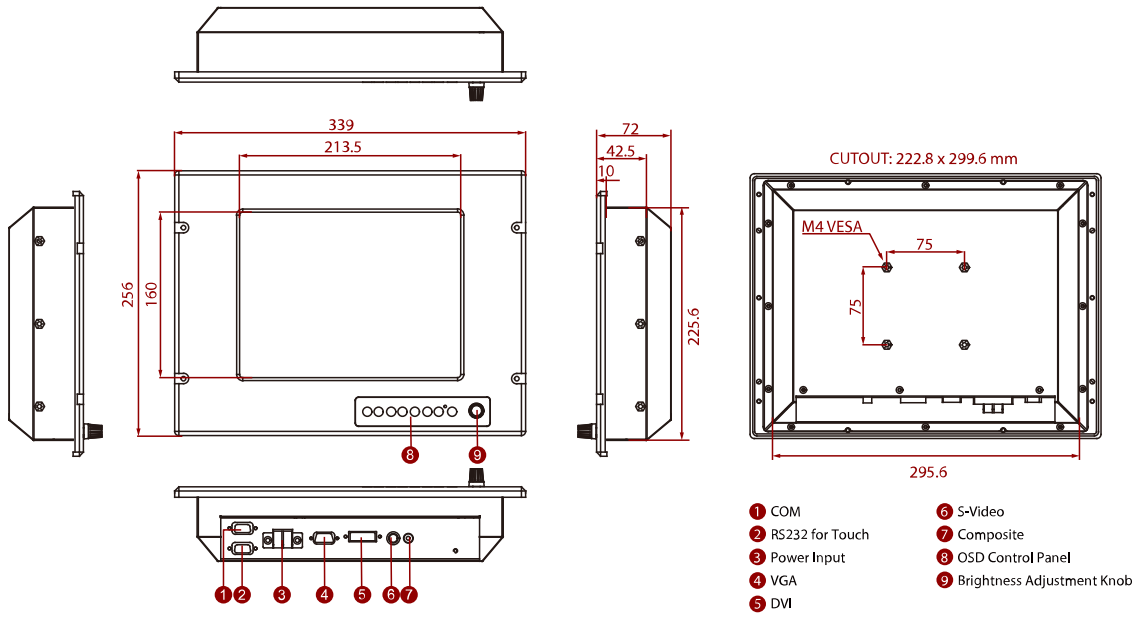
Power

Power Rating	24V DC-in with Isolation (Approval by Certificate) 9~36V DC Input Acceptable	**Consumption**	25W (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.

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.