MM12PPC MarineMaster Panel PC



KEY FEATURES

- Intel® Core™ i7-1165G7 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

OVERVIEW



Reliable Computing Certified for Marine Applications

Milrack marine panel PCs are built and tested according to DNVGLCG0339 Standard, IEC60945, and IACSE10 to meet the international regulatory requirements of the marine industry. Standard, IEC60945, and IACSE10.
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 panel PCs 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. At the same time, add an optional transflective film to enhance the visibility in an outdoor and bright ambiance environment.



Convenient Front Panel OSD Control and Dimming Knob

All the controls are located on the front panel OSD for fast access anytime. Dimming knob allows controlling backlight brightness from nearly 0% to 100%, designed for marine industry applications.



Survives All Weather Conditions

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



Peripheral Connectivity

Marine Panel PC featurerich
I/O connectivity for easy integration into various marine dock equipment.

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 AR Glass (Optional)		

System Specification

Processor	Intel Core i7-1165G7 2.8GHz (up to 4.7GHz)	**Memory**	1 x SO-DIMM, DDR4 2400 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 M-Key 2280 NVMe SSD, 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional)	**Ethernet controller**	2 x 2.5 Giga LAN RJ45 Connector
Operating System	*Note：Only Windows 11 support Wake on touch Windows 11 IoT Enterprise (64 bit) Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (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	CE, FCC

Mechanical

Dimension	336 x 293.2 x 50 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 USB 3.0	**Serial Port**	1 x RS232 2 x RS232 or 2 x Isolation RS422/485 (Optional)
Video	1 x HDMI (Optional)	**LAN**	2 x RJ45-10/100/1000 Mbps

Accessory

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

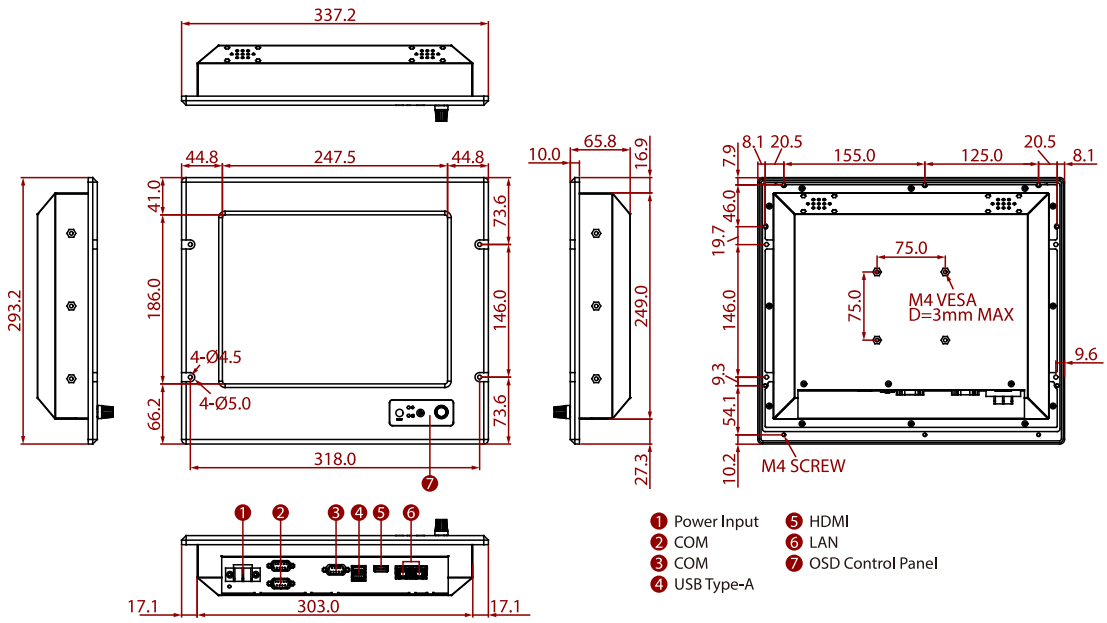
Power

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

Control

Button	1 x Power Button 1 x Reset Button 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.