

# W24L100-MRA1FP

## 24" ECDIS Marine Display



### KEY FEATURES

- 24" 1920 x 1080 resolution with projective capacitive multi-touch screen, ECDIS Marine Display
- Edge-to-edge narrow bezel design and fanless cooling system
- Color calibrated for ECDIS compliance (Optional)
- Capacitive touch keys for quick function access and display control (Support ECDIS DAY, DUSK, and NIGHT mode switching)
- Meet the requirements of industrial marine standards, including IEC60945 4th Edition, DNVGL-CG-0339, IACS E10



### OVERVIEW



#### Reliable Computing Certified for Marine Applications

Winmate ECDIS 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.



#### ECDIS Reliability for the Real Marine Colors Representation

On Winmate ECDIS Marine Displays, users can adjust to a day, dusk, or night mode through the capacitive touch key to accommodate any lighting situation. Winmate calibrates color settings at the factory for accurate color reproduction according to the IEC 61174 ECDIS Standard.



#### Sleek Design for Modern Bridge Workstations

Easy to maintain and clean. The glass cover lens provides excellent protection from scratch and reduces the gap for a possible accumulation of dust and liquid. The true-flat surface also gives a slim and elegant appearance to the device goes beyond that of the standard industrial, marine computers with a sleek and edge-to-edge design, rugged construction, powerful performance, and flexible mounting options.



#### Ultimate Touch Experience

Enhance customer experience with PCAP touch that supports multi-touch and can easily be controlled by fingers. Enjoy every touch and convenience when using the ECDIS Marine Displays, and experience the ultimate durability in some of the most demanding applications, such as bridge navigation and control.



#### Video-Input Options

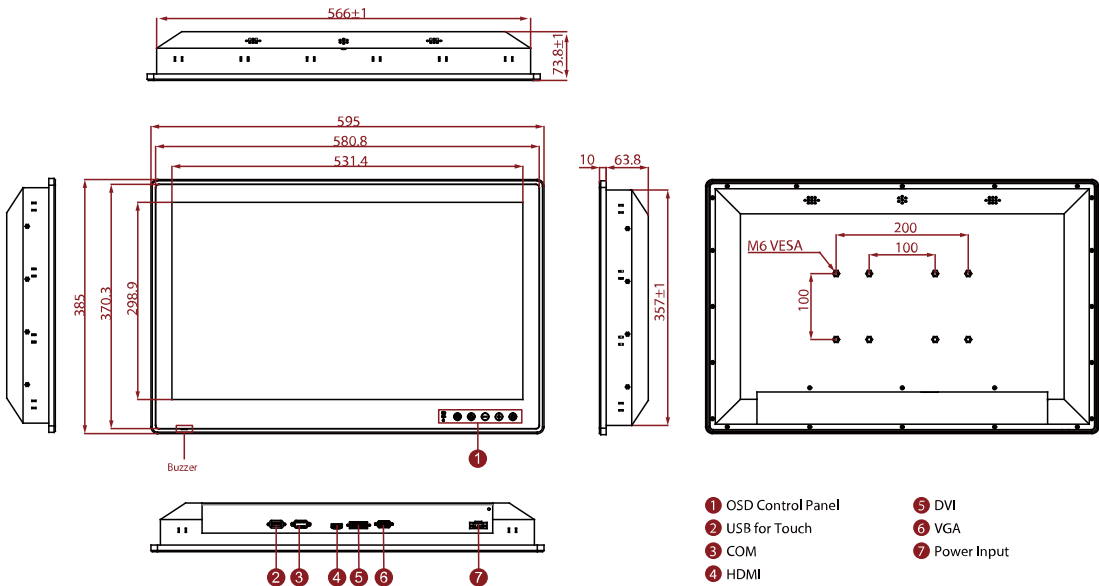
Video input consists of DVI-D, HDMI, and VGA connectors. Use the RS232 port for remote control and a USB connector for touch.

### SPECIFICATIONS

Display			
Resolution	1920x1080	Size	24.0 inches
Contrast Ratio	5000:1	Panel Brightness	300.0 nits

Display Color	16.7M Colors	View Angles	89,89,89,89
Active Area	531.36x298.89 mm	Touch / Glass	Projected Capacitive Multi Touch Screen (AR Coating) AG film (Optional) 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	CE, FCC DNVGL-CG-0339, IEC60945 4th, IACS E10		
IO Ports			
USB Port	1 x USB Type A	Serial Port	1 x RS232 for remote control
Video	1 x VGA 1 x DVI-D 1 x HDMI 1.4	Front Control	Power Brightness+ Brightness- OSD/ Enter ECDIS Key/ ESC
Indicator	Day Mode Dusk Mode Night Mode	Buzzer	75 dB~80 dB, 2300 Hz, 1m
Mechanical			
Dimension	595 x 385 x 63.8 mm	Weight	10.3 kg
Mounting	VESA Mount/ Panel Mount	Enclosure	Anodized Aluminum Bezel
Cooling System	Fanless Design	Cut out	570 x 360 mm
Power			
Power Rating	24V DC-in with Isolation (Approval by Certificate) 9~36V DC Input Acceptable	Consumption	45W (Typical)
Accessory			
Accessory	User Manual Mounting clips x 12 AC to 12V DC Adapter Power Cord 3 Pin Terminal Block Open Wire Cable 1 x VGA cable 1 x DVI cable 1 x HDMI cable 1 x RS232 cable 1 x USB cable		

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Only 24 V DC has been approved by the DNVGL certification.
3. Please contact our sales representative if you need further product information.
4. All specifications are subject to change without prior notice.
5. 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.