

# W27L100-MRA1FP

## 27" ECDIS Marine Display



### KEY FEATURES

- 27" 1920 x 1080 resolution with projective capacitive multi-touch screen
- Edge to edge narrow bezel design and fanless cooling system
- OSD Key For quick mode changing between ECDIS DAY, DUSK, and NIGHT mode
- 9~36 V DC to DC power input acceptable (Isolation Resistance)
- Meet the requirements of industrial marine standards, compatible with IEC60945 4th Edition, DNVGLCG0339, IACS E10
- Color calibrated for ECDIS compliance (Optional)



### 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

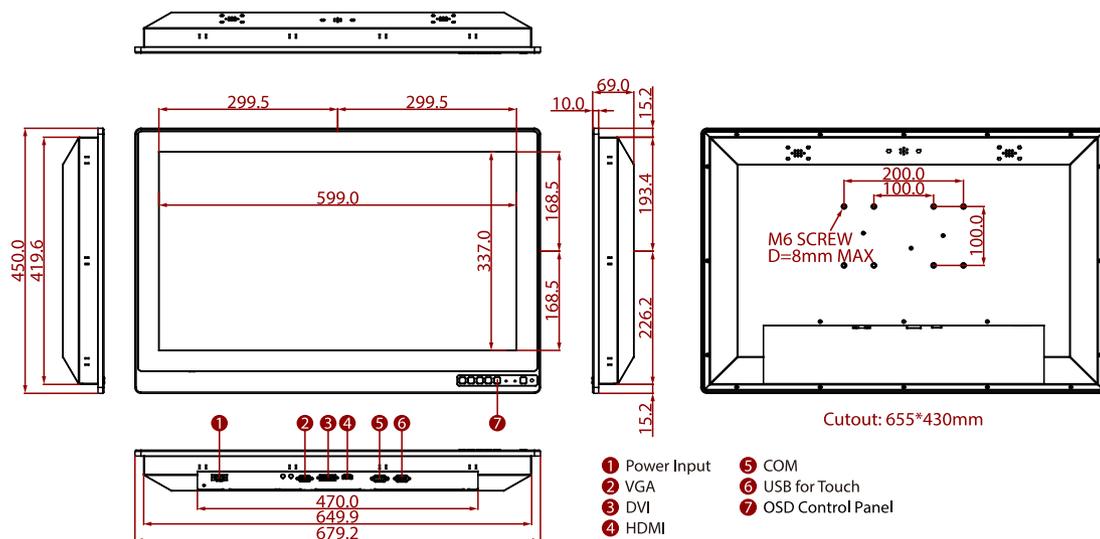
Enhance customer experience with PCAP touch that supports multi-touch and can easily be controlled by fingers. Enjoy every touch and convenience when using the ECDIS Marine Displays, and experience the ultimate durability in some of the most demanding applications, such as bridge navigation and control.

### SPECIFICATIONS

Display		Environment	
Resolution	1920x1080	Operating Humidity	5% to 95%
Contrast Ratio	3000:1	Shock	15G, 11ms duration
Display Color	16.7M Colors	IP rating	IP66 (Front Side)
Active Area	597.6x336.15 mm	Operating Temperature	-15~55°C
Size	27.0 inches	Vibration	0.7g@DNVGL CG-0339 (Class A)
Panel Brightness	300.0 nits		
View Angles	89,89,89,89		
Touch / Glass	Projected Capacitive Multi Touch Screen (AR Coating) AG film (Optional) AR Glass (Optional)		

Certification			
Certification	CE, FCC		
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		
Mechanical			
Dimension	679.2 x 450 x 59 mm	Weight	15 kg
Mounting	VESA mount Panel mount (Optional)	Enclosure	Anodized Aluminum Bezel
Cooling System	Fanless Design	Cut out	655 x 430 mm
Power			
Power Rating	24V DC-in with Isolation (Approval by Certificate) 9~36V DC Input Acceptable	Consumption	55W (Typical)
Accessory			
Accessory	User Manual Mounting clips x 16 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		
Control			
Button	6 key: Power Decrease Increase Exit/ Auto Menu ECDIS Mode Change		

## DIMENSIONS UNIT:MM



V. 240626.240801

## 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.