

# 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

### INTRODUCTION

Winmate ECDIS Marine Display Series delivers advanced solutions tailored for marine applications, available in sizes from 15" to 32". Designed with edge-to-edge narrow bezels and a fanless cooling system, these displays provide a sleek and reliable performance. Featuring capacitive touch keys and support for ECDIS-compliant DAY, DUSK, and NIGHT modes, they ensure optimal visibility in varying lighting conditions. Certified with IEC 60945 4th Edition, DNV-CG-0339, and IACS E10 standards, the series offers rugged durability, optional color calibration, and multi-touch capabilities, making it ideal for navigation and marine control systems.

### 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@DNV-CG-0339 (Class A)
IP rating	IP66 (Front Side)		
Certification			
Certification	CE, FCC DNV-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
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### 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

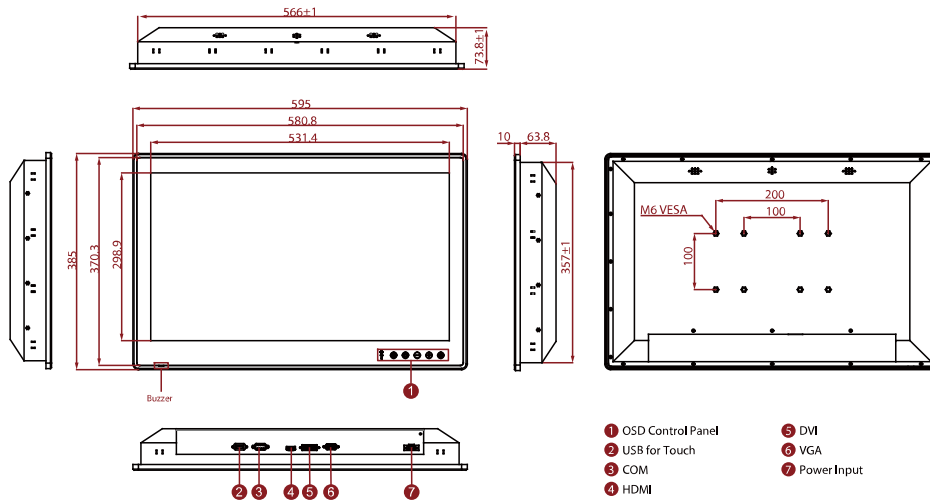
### Power

Power Rating	24V DC-in with Isolation (Approval by Certificate) 9~36V DC Input Acceptable	Consumption	45W (Typical)
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### 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
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## 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.