

# W24L100-MRL1FP

24" 4K UHD Marine Display



## KEY FEATURES

- 24" 4K UHD with projective capacitive multi-touch screen
- Multi Video Output ,VGA+DVI+HDMI+DP
- 24V DC power input
- fanless cooling system

## INTRODUCTION

Winmate Marine Display Series provides reliable and durable performance for maritime environments, available in sizes from 10.1" to 24". In compliance with DNVGL-CG-0339, IEC60945 4th Edition, and IACS E10 standards, these displays ensure alignment with marine industry requirements. Featuring an IP66 aluminum housing with powder coating (IP54 rear), a dimming knob for precise backlight control, and enhanced shock and vibration resistance, they are built for harsh conditions. With optional touchscreen or AR protection glass, multi-video inputs, and user-friendly front panel OSD controls, these displays are ideal for navigation and control applications.

## SPECIFICATIONS

### Display

<b>Touch / Glass</b>	Projected Capacitive Multi Touch Screen AR Glass (Optional)	<b>Resolution</b>	3840x2160
<b>Size</b>	23.8 inches	<b>Contrast Ratio</b>	1200:1
<b>Panel Brightness</b>	540.0 nits	<b>Display Color</b>	1.07B Colors
<b>View Angles</b>	89,89,89,89	<b>Active Area</b>	525.65x295.70 mm

### Environment

<b>Operating Humidity</b>	5% to 95%	<b>Operating Temperature</b>	-15~55°C
<b>Shock</b>	15G, 11ms duration	<b>Vibration</b>	0.7g@DNV-CG-0339 (Class A)
<b>IP rating</b>	IP66 (Front Side)		

### Certification

<b>Certification</b>	CE, FCC
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### IO Ports

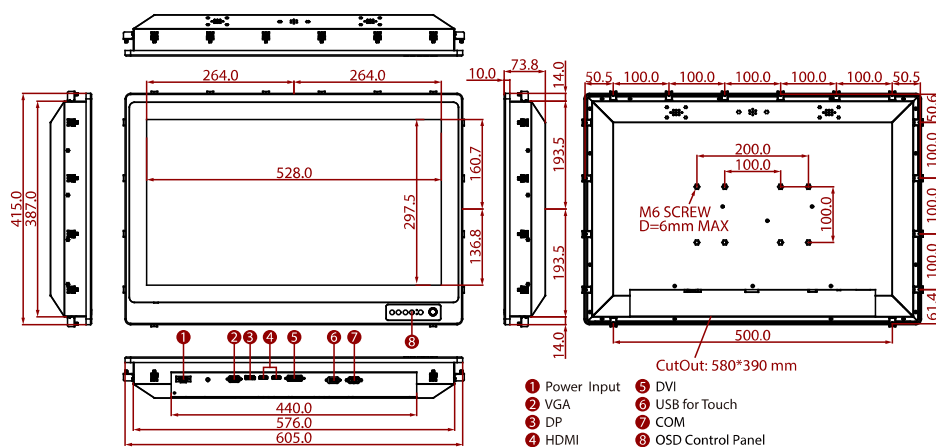
<b>USB Port</b>	1 x USB Type A	<b>Serial Port</b>	1 x RS232 for remote control
<b>Video</b>	1 x VGA 1 x DVI-D 1 x HDMI 1.4 1 x HDMI 2.0 1 x DP		

### Mechanical

<b>Dimension</b>	601 x 415 x 73.8 mm	<b>Weight</b>	10.5 kg
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Mounting	VESA mount/Panel mount	Enclosure	Anodized Aluminum Bezel
Cooling System	Fanless Design	Cut out	570 x 360 mm
<b>Power</b>			
Power Rating	9~36V DC Input Acceptable	Consumption	70W (Typical)
<b>Accessory</b>			
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. 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.