

# W24IH3S-MRA1FP

## 24" Intel® Core™ i5-5350U Flat PCAP ECDIS Marine Panel PC



### KEY FEATURES

- 24" 1920 x 1080 resolution with projective capacitive multi-touch screen
- 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)
- Optional 4 x COM port (NMEA 0183 protocol) 422/485 switchable via software
- Meet the requirements of Industrial marine standards, including IEC60945 4th Edition, DNVGL-CG-0339, IACS E10
- Support capacitive touch key lock / touchscreen lock function



### SPECIFICATIONS

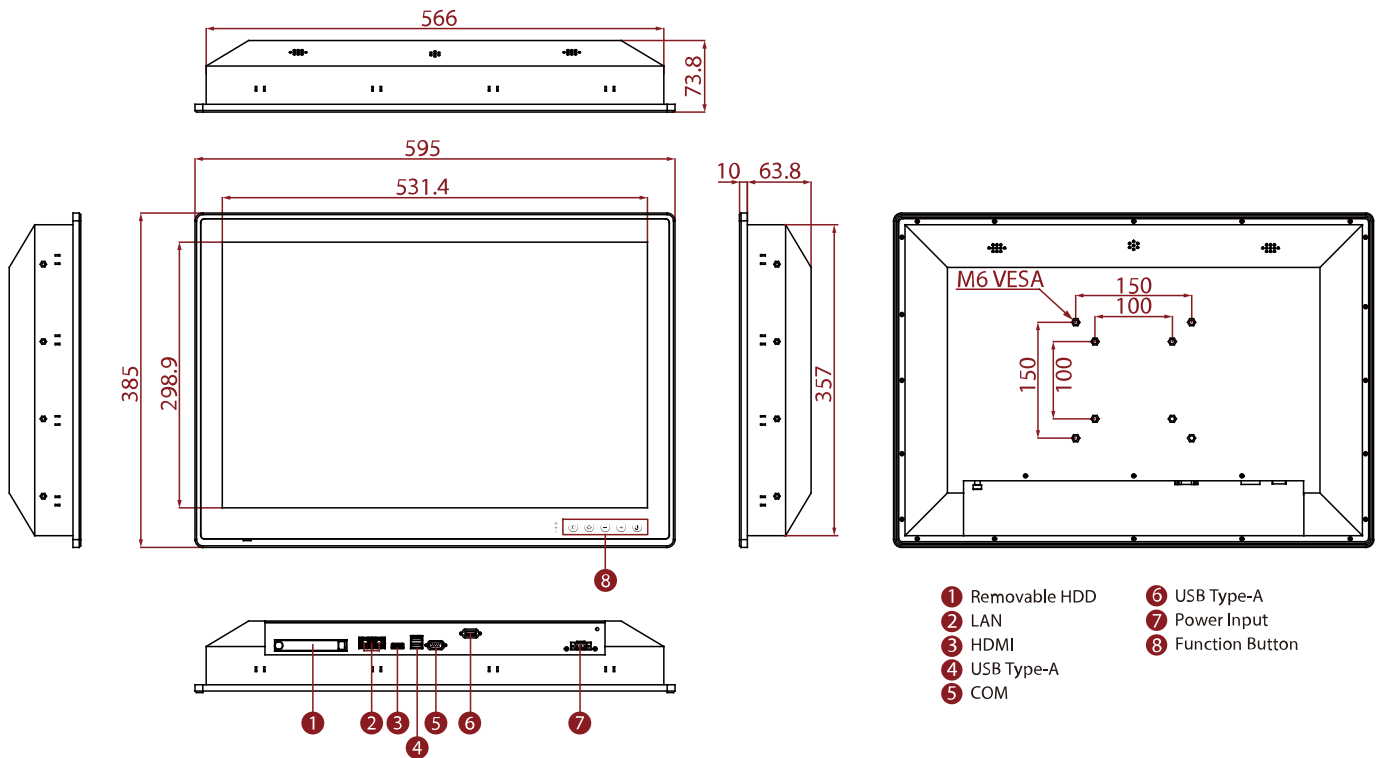
Display	
<b>Resolution</b>	1920x1080
<b>Contrast Ratio</b>	5000:1
<b>View Angles</b>	89,89,89,89
<b>Touch / Glass</b>	Projected Capacitive Multi Touch Screen (AR Coating) AG film (Optional) AR Glass (Optional)
<b>Size</b>	24.0 inches
<b>Panel Brightness</b>	300.0 nits
<b>Active Area</b>	531.36x298.89 mm
System Specification	
<b>Processor</b>	Intel Core i5-5350U Processor 1.8GHz (up to 2.9GHz) Intel Core i5-5250U Processor 1.6GHz (up to 2.7GHz) (Optional) Intel Core i5-5300U Processor 2.3GHz (up to 2.9GHz) (Optional) Intel Core i5-5200U Processor 2.2GHz (up to 2.7GHz) (Optional)
<b>Memory</b>	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
<b>Storage</b>	1 x mSATA SSD 128GB mSATA SSD up to 512GB (Optional)
<b>Ethernet controller</b>	Intel® Ethernet Controller I211-AT+ Intel® Ethernet Connection I218-LM
<b>Operating System</b>	Windows 11 IoT Enterprise LTSC (64 bit) (Optional) Windows 10 IoT Enterprise (64 bit) (Optional)
<b>Buzzer</b>	75 dB~80 dB, 2300 Hz, 1m
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@DNVGL CG-0339 (Class A)
<b>IP rating</b>	IP66 (Front Side)
Certification	
<b>Certification</b>	CE, FCC DNVGL-CG-0339, IEC60945 4th, IACS E10
IO Ports	
<b>USB Port</b>	2 x USB3.0 1 x USB2.0
<b>Serial Port</b>	1 x RS232(Default)/422/485
<b>Video</b>	1 x HDMI (Optional)
<b>LAN</b>	2 x RJ45
<b>Front Control</b>	Power
<b>Indicator</b>	Day Mode

Brightness +  
 Brightness -  
 Menu  
 Function Key(Default setting: ECDIS Mode)

Dusk Mode  
 Night Mode

<b>DIDO</b>	8 Channel Isolated Digital Input/Output (Optional)	<b>NMEA</b>	4 x NMEA 0183 Port (Optional)
<b>Mechanical</b>			
<b>Dimension</b>	595 x 385 x 63.8 mm	<b>Weight</b>	10.3 kg
<b>Mounting</b>	VESA Mount/ Panel Mount	<b>Enclosure</b>	Anodized Aluminum Bezel
<b>Cooling System</b>	Fanless Design	<b>Cut out</b>	570 x 360 mm
<b>Accessory</b>			
<b>Accessory</b>	Driver CD & User Manual 12V AC to DC Adapter (with 3 pin Terminal Block) Power Cord M4 x 12 Black Screw Bolts	<b>Optional Accessory</b>	Four 5 Pin Terminal Block 3.81 (Phoenix Type)*For NMEA port (Optional)
<b>Power</b>			
<b>Power Rating</b>	24V DC-in with Isolation (Approval by Certificate) 9~36V DC Input Acceptable	<b>Consumption</b>	65W (Typical)

**DIMENSIONS** UNIT:MM



**NOTE**

1. This is a simplified drawing and some components are not marked in detail.
2. Only 24V DC has been approved by 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.