

# W24IAD3S-MRA2FP

23.8" Intel® Core™ i5-1335U-5350U Flat PCAP ECDIS Marine Panel PC



## KEY FEATURES

- 23.8" 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, DNV-CG-0339, IACS E10
- Support capacitive touch key lock / touchscreen lock function

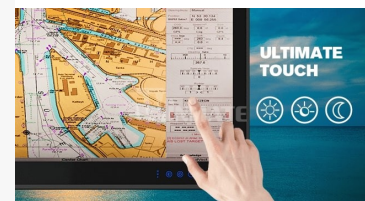


## OVERVIEW



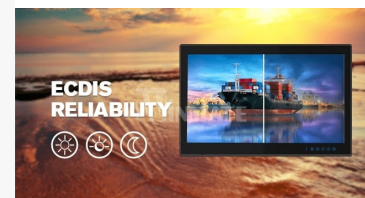
### Certified Marine Computing Solutions

Winmate's ECDIS marine panel pcs are certified to meet DNV-CG-0339, IEC60945, and IACS-E10 standards, ensuring compliance with international marine regulations. Rigorous in-house testing guarantees they perform reliably in harsh maritime environments.



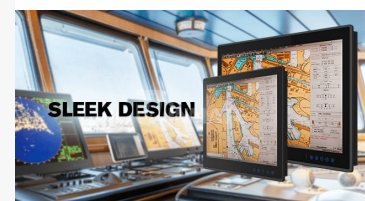
### Effortless Control with Marine Panel PC

To enhance operator convenience in industrial settings, Winmate's marine ECDIS panel pc series has optimized the six key OSD button for seamless access to DAY/DUSK/Night Mode. This improvement simplifies operation, removing complexity and allowing quick access to the central control on the front panel.



### Precision Color Calibration for Marine Navigation

Winmate calibrates color settings according to the IEC 61174 ECDIS Standard, ensuring accurate color representation. This meticulous process guarantees the reliability of color panel pc, which is crucial for maritime navigation.



### Sleek and Sturdy Marine Workstations

The true-flat, edge-to-edge design provides a slim and elegant appearance, surpassing standard industrial marine computers with rugged construction, fanless operation, powerful performance, and flexible mounting options.



### Comprehensive Marine Connectivity

Extensive connectivity options include Ethernet LAN, USB2.0, USB3.0, HDMI, and optional 4-channel isolated digital input and output. The optional COM ports (RS232/422/485) adhere to the NMEA 0183 standard and are software switchable.

## SPECIFICATIONS

Display		Resolution	1920x1080
Touch / Glass	Projected Capacitive Multi Touch Screen (AR Coating) AG film (Optional) AR Glass (Optional)		

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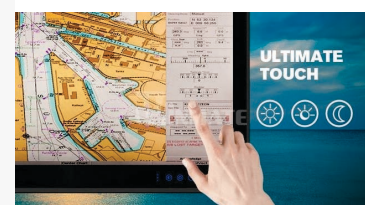


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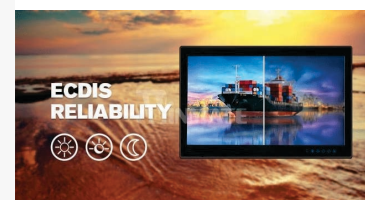
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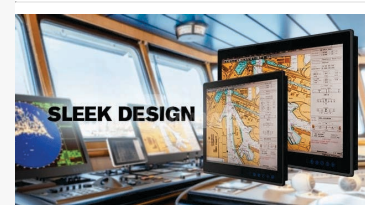
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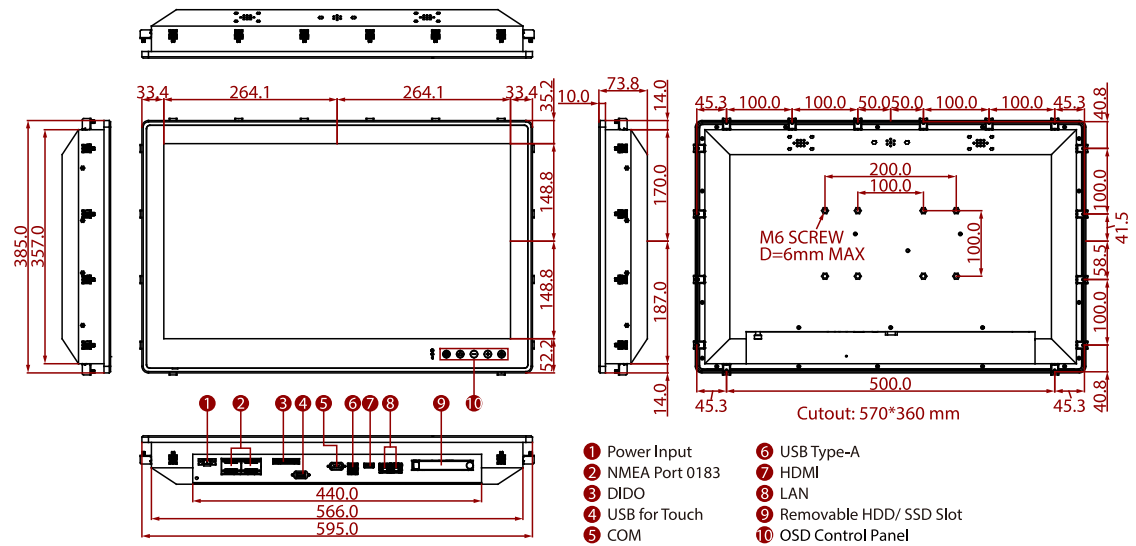
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## SPECIFICATIONS

Display		Resolution	1920x1080
Touch / Glass	Projected Capacitive Multi Touch Screen (AR Coating) AG film (Optional) AR Glass (Optional)		

<b>Size</b>	23.8 inches	<b>Contrast Ratio</b>	3000:1
<b>Panel Brightness</b>	250.0 nits	<b>View Angles</b>	89,89,89,89
<b>Active Area</b>	527.04x296.46 mm		
<b>System Specification</b>			
<b>Processor</b>	Intel® Core™ i5-1335U 3.4GHz(up to 4.60 GHz)	<b>Memory</b>	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) 32GB (Optional)
<b>Storage</b>	1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional)	<b>Ethernet controller</b>	2 x Intel® Ethernet Controller
<b>Operating System</b>	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)	<b>Buzzer</b>	75 dB~80 dB, 2300 Hz, 1m
<b>Environment</b>			
<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)		
<b>Certification</b>			
<b>Certification</b>	CE, FCC		
<b>IO Ports</b>			
<b>USB Port</b>	2 x USB3.0 1 x USB2.0 (Optional)	<b>Serial Port</b>	1 x RS232(Default)/422/485 1 x RS232 (Optional)
<b>Video</b>	1 x HDMI (Optional)	<b>Expansion Port</b>	1 x 2.5" Removable 64GB SSD/HDD up to 512GB (Optional)
<b>LAN</b>	2 x RJ45	<b>Front Control</b>	Power Brightness + Brightness - Menu Function Key(Default setting: ECDIS Mode)
<b>Indicator</b>	Day 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 73.8 mm	<b>Weight</b>	10.3 kg
<b>Mounting</b>	VESA mount Panel mount (Optional)	<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>	User Manual 12V AC to DC Adapter (with 3 pin Terminal Block) Power Cord M4 x 30 Black Screws Bolts M4 x 15 Silver Screws 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



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