

W15IAD3S-MRC3FP

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



KEY FEATURES

- 15.6" 1920 x 1080 PCAP touchscreen, Flat PCAP ECDIS Marine Panel PC
- 13th Gen. Intel® Core™ i5-1335U @ 3.4GHz
- Edge-to-edge narrow bezel design and fanless cooling system
- 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, DNV-CG-0339, IACS E10
- Color calibrated for ECDIS compliance (Optional)

INTRODUCTION

Winmate W15IAD3S-MRC3FP is a 15.6-inch Intel® Core™ i5-1335U Flat PCAP ECDIS Marine Panel PC engineered for marine bridge systems, shipboard automation, and offshore operations. It combines Intel® Core™ i5-1335U, 15.6-inch display with 1920x1080 resolution, and DNV to support reliable operation in marine and offshore environments. With IEC 60945, the W15IAD3S-MRC3FP helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

SPECIFICATIONS

Display

Touch / Glass	Projected Capacitive Multi Touch Screen (AR Coating) (Default) AG film (Optional) AR Glass (Optional)	Resolution	1920x1080
Size	15.6 inches	Contrast Ratio	800:1
Panel Brightness	450.0 nits	View Angles	89,89,89,89
Active Area	344.16x193.59 mm		

System Specification

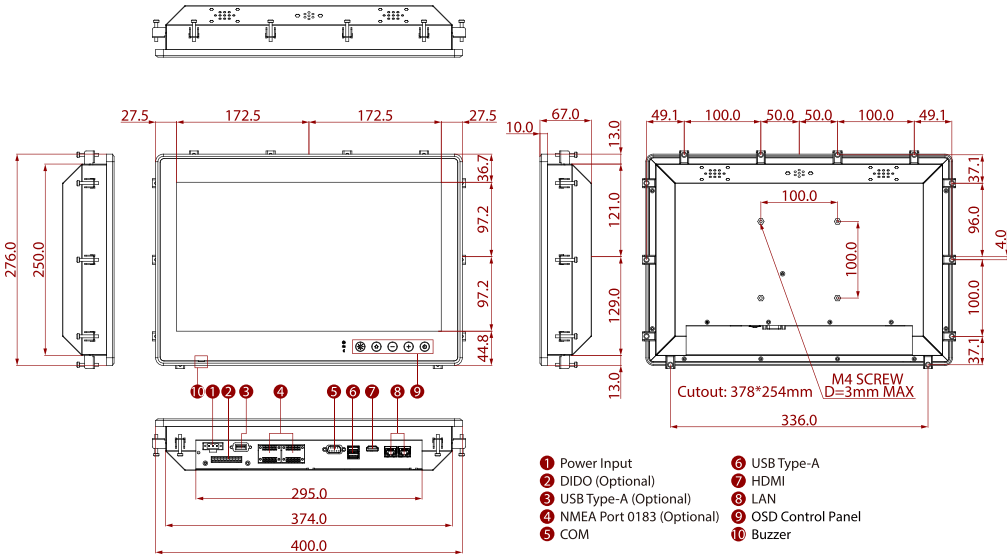
Processor	Intel® Core™ i5-1335U 3.4GHz(up to 4.60 GHz) (Default) Intel® Core™ 5 120U 3.8GHz (up to 5GHz) (Optional)	Memory	8GB (Default) 16GB (Optional) 32GB (Optional)
Storage	128GB (Default) 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Operating System	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)	Buzzer	75 dB~80 dB, 2300 Hz, 1m

Environment

Operating Humidity	5% to 95%	Operating Temperature	-15~55°C
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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	2 x USB3.2 Gen2x1 (Type-A)	Serial Port	1 x RS232(Default)/422/485
Video	1 x HDMI (Optional)	LAN	2 x RJ45
Front Control	Power Brightness + Brightness - Menu Function Key(Default setting: ECDIS Mode)	Indicator	Day Mode Dusk Mode Night Mode
DIDO	8 Channel Isolated Digital Input/Output (Optional)	NMEA	4 x NMEA 0183 Port (Optional)
Mechanical			
Dimension	400 x 276 x 67 mm	Weight	6.8 kg
Mounting	VESA mount/Panel mount	Enclosure	Anodized Aluminum Bezel
Cooling System	Fanless Design	Cut out	378 x 254mm
Accessory			
Accessory	User Manual AC to DC Adapter (with 3 pin Terminal Block) Power Cord M4 x 30 Black Screws Bolts M4 x 15 Silver Screws Bolts Mounting clips	Optional Accessory	Four 5 Pin Terminal Block 3.81 (Phoenix Type)*For NMEA port (Optional)
Power			
Power Rating	24V DC-in with Isolation (Approval by Certificate) 9~36V DC Input Acceptable	Consumption	60W (Typical)

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 DNV 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.
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