R15IAD3S-MRA3FP

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

CE
FC

KEY FEATURES

- 15"1024 x 768 PCAP touchscreen,Flat PCAP ECDIS Marine Panel PC
- 5th Gen. Intel® Core™ i5-1335U @ 2.20GHz
- 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

INTRODUCTION

Winmate ECDIS Marine Panel PC Series offers advanced functionality and reliability for maritime applications, available in sizes from 10.1" to 27". Designed with an edge-to-edge narrow bezel and a fanless cooling system, these panel PCs provide a sleek, durable solution for harsh marine environments. Featuring capacitive touch keys for quick function access, support for DAY, DUSK, and NIGHT mode switching, and optional NMEA 0183 protocol support, this series ensures seamless navigation and operational efficiency for marine vessels and control rooms.

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.

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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.

SLEEK DESIGN

ULTIMATE TOUCH

Superior Touch Capabilities

Enhance customer experience with PCAP touch technology that supports multi-touch and finger-friendly control. Enjoy the ease and precision of the ECDIS marine panel pc, and trust in its durability for the most demanding environments, including bridge navigation and control.
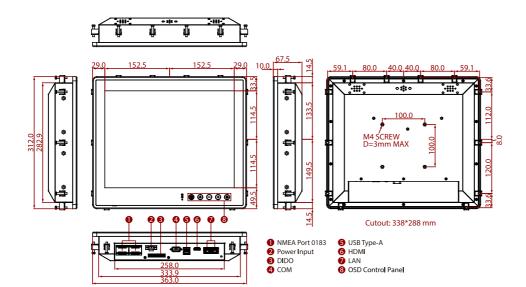
SPECIFICATIONS

Display

Resolution	1024x768	Size	15.0 inches
Contrast Ratio	2500:1	Panel Brightness	500.0 nits
View Angles	88,88,88,88	Active Area	304.1x228.1 mm
Touch / Glass	Projected Capacitive Multi Touch Screen (AR Coating) AG film (Optional) AR Glass (Optional)		

System Specification

Processor	Intel® Core™ i5-1335U 3.4GHz(up to 4.60 GHz)	Memory	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 2280 M-Key NVMe SSD 128GB 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
Shock	15G,11ms duration	Vibration	0.7g@DNV-CG-0339 (Class A)
IP rating	IP66 (Front Side)		

Certification

Certification	CE, FCC

IO Ports

USB Port	2 x USB3.0	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	363 x 312 x 67.5 mm	Weight	5.8 kg
Mounting	VESA mount Panel mount (Optional)	Enclosure	Anodized Aluminum Bezel
Cooling System	Fanless Design	Cut out	338 x 288mm

Accessory

Accessory	User Manual 12V AC to DC Adapter (with 3 pin Terminal Block) Power Cord M4 x 30 Black Screws Bolts M4 x 15 Sliver Screws Bolts	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	55W (Typical)

WINMATE

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DIMENSIONS UNIT:MM

Cutout: 338*288 mm

M4 SCREW
D=3mm MAX

100.0
100.0

312.0
282.9

152.5 152.5
29.0 29.0
10.0
67.5
14.5
33.5
114.5
114.5
49.5
14.5

133.5
149.5
14.5

59.1 80.0 40.0 40.0 80.0 59.1
33.6
112.0
8.0
120.0
33.6

258.0
333.9
363.0

❶ NMEA Port 0183	❺ USB Type-A
❷ Power Input	❻ HDMI
❸ DIDO	❼ LAN
❹ COM	❽ OSD Control Panel

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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