

# R15IAD3S-MRA3FP

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



### 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



### 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.



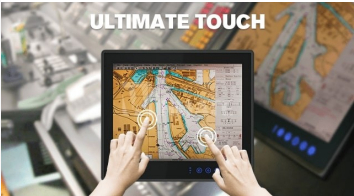
#### Effortless Control with Marine Panel PC

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.



#### 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.



#### Superior Touch Capabilities

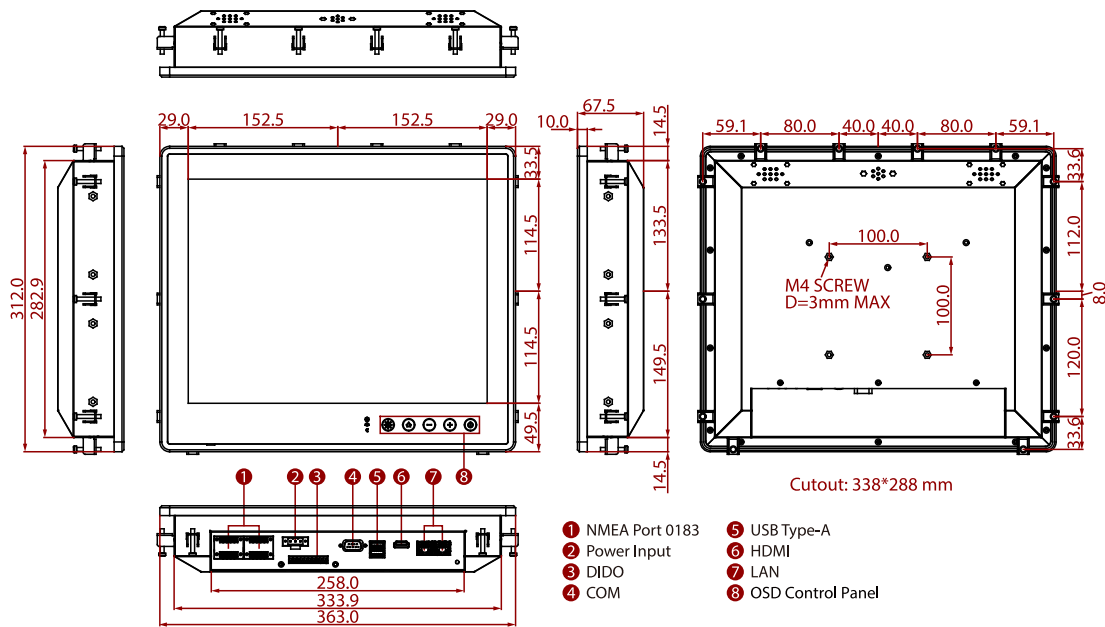
Enhance customer experience with PCAP touch technology that supports multi-touch and finger-friendly control. Enjoy the ease and precision of the ECDIS marine panel pc, and trust in its durability for the most demanding environments, including bridge navigation and control.

### 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)<br>AG film (Optional)<br>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<br>16GB (Optional)<br>32GB (Optional) |

|                    |   |                       |  |
|--------------------|---|-----------------------|--|
| Storage            | 1 x M.2 2280 M-Key NVMe SSD 128GB<br>256GB (Optional)<br>512GB (Optional)<br>1TB (Optional)<br>2TB (Optional)   | Ethernet controller   | 2 x Intel® Ethernet Controller   |
| Operating System   | Windows 11 IoT Enterprise (64 bit) (Optional)<br>Windows 11 Pro 64 bit (Optional)<br>Windows 10 IoT Enterprise (64 bit) (Optional)<br>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<br>Brightness +<br>Brightness -<br>Menu<br>Function Key(Default setting: ECDIS Mode)  | Indicator             | Day Mode<br>Dusk Mode<br>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<br>Panel mount (Optional)  | Enclosure             | Anodized Aluminum Bezel  |
| Cooling System     | Fanless Design  | Cut out               | 338 x 288mm  |
| Accessory          |   |                       |  |
| Accessory          | User Manual<br>12V AC to DC Adapter (with 3 pin Terminal Block)<br>Power Cord<br>M4 x 30 Black Screws Bolts<br>M4 x 15 Silver 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)<br>9~36V DC Input Acceptable   | Consumption           | 55W (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.