

# R12IT3S-MRM2

## 12.1" Intel® Core™ i7-1165G7 Marine Panel PC



### KEY FEATURES

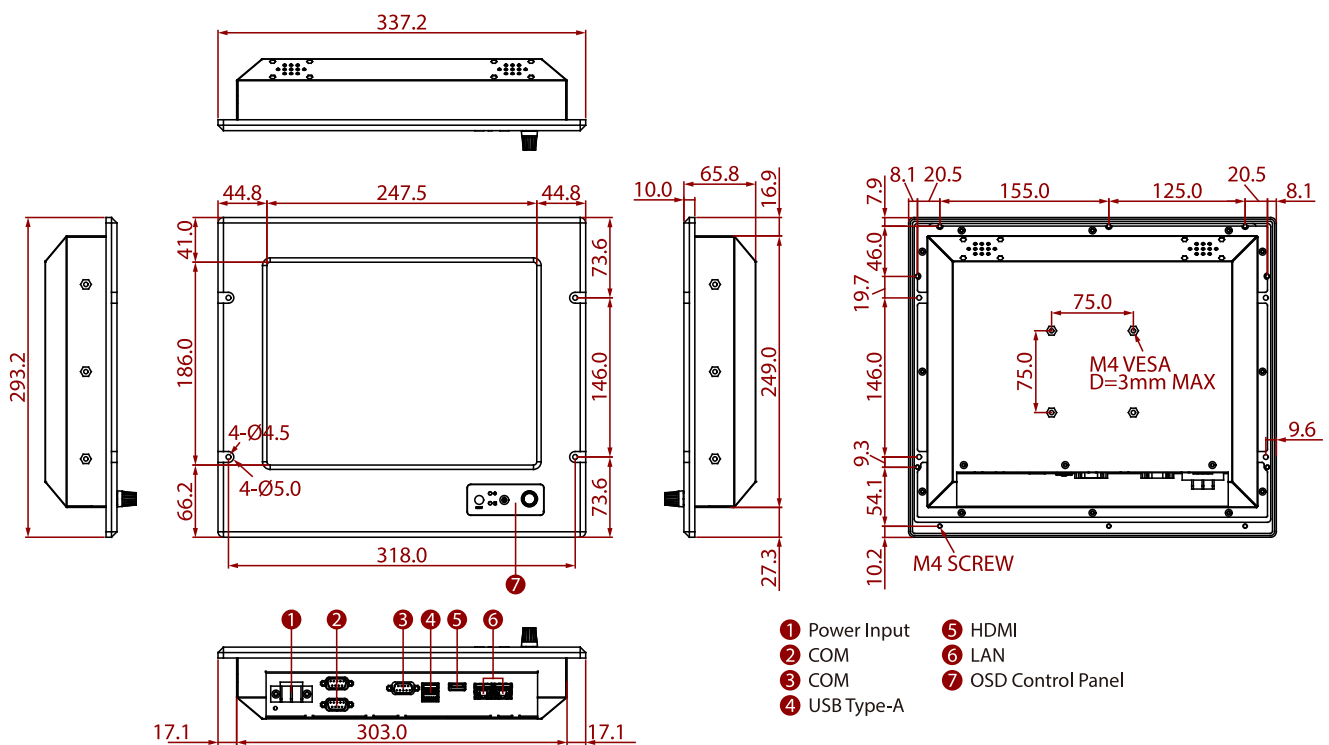
- Intel® Core™ i7-1165G7 processor marine panel PC
- Dimming knob control backlight brightness from nearly 0% to 100%
- 9~36V DC power input acceptable
- Panel (flush) mount IP66 aluminum housing with powder coating design



### SPECIFICATIONS

| Display              |                                                                                                                                     |                       |                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------|
| Resolution           | 1024x768                                                                                                                            | Size                  | 12.1 inches                                                                             |
| Contrast Ratio       | 1000:1                                                                                                                              | Panel Brightness      | 500.0 nits                                                                              |
| View Angles          | 89,89,89,89                                                                                                                         | Active Area           | 245.76x184.32 mm                                                                        |
| Touch / Glass        | Resistive Touch Screen<br>AR Glass (Optional)                                                                                       |                       |                                                                                         |
| System Specification |                                                                                                                                     |                       |                                                                                         |
| Processor            | Intel Core i7-1165G7 2.8GHz (up to 4.7GHz)                                                                                          | Memory                | 1 x SO-DIMM, DDR4 2400 MHz, 4GB<br>8GB (Optional)<br>16GB (Optional)<br>32GB (Optional) |
| Storage              | 1 x M.2 M-Key 2280 NVMe SSD, 128GB<br>256GB (Optional)<br>512GB (Optional)<br>1TB (Optional)<br>2TB (Optional)<br>4TB (Optional)    | Ethernet controller   | 2 x Intel® Ethernet Controller                                                          |
| Operating System     | Windows 10 IoT Enterprise (64 bit) (Optional)<br>Windows 11 IoT Enterprise SAC (64 bit) (Optional)<br>Linux Ubuntu 22.04 (Optional) |                       |                                                                                         |
| Environment          |                                                                                                                                     |                       |                                                                                         |
| Operating Humidity   | 5% to 95%                                                                                                                           | Operating Temperature | -15~55°C                                                                                |
| Shock                | 15G,11ms duration                                                                                                                   | Vibration             | 0.7g@DNVGL CG-0339 (Class A)                                                            |
| IP rating            | IP66 (Front Side)                                                                                                                   |                       |                                                                                         |
| Certification        |                                                                                                                                     |                       |                                                                                         |
| Certification        | CE, FCC                                                                                                                             |                       |                                                                                         |
| Mechanical           |                                                                                                                                     |                       |                                                                                         |
| Dimension            | 336 x 293.2 x 50 mm                                                                                                                 | Weight                | 4.5 kg                                                                                  |
| Mounting             | VESA Mount/ Panel Mount                                                                                                             | Enclosure             | Metal Housing with Aluminum Bezel                                                       |
| Cooling System       | Fanless Design                                                                                                                      | Cut out               | 307 x 253mm                                                                             |
| IO Ports             |                                                                                                                                     |                       |                                                                                         |
| USB Port             | 2 x USB 3.0                                                                                                                         | Serial Port           | 1 x RS232<br>2 x RS232 or 2 x Isolation RS422/485 (Optional)                            |

|                     |                                                                                                            |                    |                           |
|---------------------|------------------------------------------------------------------------------------------------------------|--------------------|---------------------------|
| <b>Video</b>        | 1 x VGA<br><br>1 x HDMI (Optional)                                                                         | <b>LAN</b>         | 2 x RJ45-10/100/1000 Mbps |
| <b>Accessory</b>    |                                                                                                            |                    |                           |
| <b>Accessory</b>    | Driver CD & User Manual<br>4 x M6 Black Screw Bolt with M6 Nut<br>1 x AC Adapter12V/ 84W<br>1 x Power Cord |                    |                           |
| <b>Power</b>        |                                                                                                            |                    |                           |
| <b>Power Rating</b> | 9~36V DC Input Acceptable                                                                                  | <b>Consumption</b> | 55W (Typical)             |
| <b>Control</b>      |                                                                                                            |                    |                           |
| <b>Button</b>       | 1 x Power Button<br>1 x Reset Button<br>1 x The Dimming Knob                                               |                    |                           |



- 1.This is a simplified drawing and some components are not marked in detail.
- 2.Please contact our sales representative if you need further product information.
- 3.All specifications are subject to change without prior notice.
- 4.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.