

R19IT3S-MRA2

19" 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

INTRODUCTION

Winmate Marine Panel PC Series is purpose-built for maritime environments, offering sizes from 10.4" to 24" with a rugged aluminum housing and IP66-rated panel mount design. Certified to meet DNVGL-CG-0339, IEC60945, and IACS-E10 standards, these panel PCs deliver reliable performance in demanding marine applications. Equipped with hyper dimming technology for seamless brightness adjustment from 0% to 100% and optional transfective film for enhanced outdoor visibility, they ensure safe operation in all lighting conditions. With versatile OS support, 9~36V DC power input, and robust construction, these PCs are ideal for navigation and monitoring systems.

SPECIFICATIONS

Display

Resolution	1280x1024	Size	19.0 inches
Contrast Ratio	1000:1	Panel Brightness	350.0 nits
View Angles	85,85,80,80	Active Area	376.32x301.06 mm
Touch / Glass	Resistive Touch Screen 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 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 M-Key 2280 NVMe SSD, 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional)	Ethernet controller	2 x 2.5 Giga LAN RJ45 Connector
Operating System	*Note: Only Windows 11 support Wake on touch Windows 11 IoT Enterprise (64 bit) Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (Optional)		

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 USB 3.0	Serial Port	1 x RS232, 4 x RS232 or 4 x Isolation RS422/485 (Optional)
Video	1 x HDMI (Optional)	LAN	2 x RJ45-10/100/1000 Mbps

Mechanical

Dimension	483 x 444 x 77.5 mm	Weight	9.6 kg
Mounting	VESA mount/Panel mount	Enclosure	Metal Housing with Aluminum Bezel
Cooling System	Fanless Design	Cut out	429 x 396 mm

Accessory

Accessory Driver CD & User Manual
4 x M6 Black Screw Bolt with M6 Nut
1 x AC Adapter 12V/ 84W
1 x Power Cord

Power

Power Rating	9~36V DC Input Acceptable	Consumption	65W (Typical)
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Control

Button 1 x Power Button
1 x Reset Button
1 x The Dimming Knob

DIMENSIONS UNIT:MM

NOTE

- 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.

