

I330EAC-IMT

Marine Computer with Intel® Core Ultra 5



KEY FEATURES

- Intel® Core Ultra 5 125U
- Removable 2.5" SSD drive bay
- Multi Video Output, DVI/HDMI/Display Port
- Isolation Power Protection 1.5KV
- 4 x Digital Input / 4 x Digital Output
- 8 x NMEA Port 0183

INTRODUCTION

The I330EAC-IMT is a rugged, marine-grade embedded computer powered by the Intel® Core™ Ultra 5 125U processor. Designed for reliable shipboard automation and navigation, it features eight NMEA 0183 ports for marine sensor integration, 1.5KV isolation power protection, and versatile multi-video outputs (DVI/HDMI/DisplayPort). Equipped with a removable 2.5" SSD bay and 4x DI/DO, it delivers secure, high-performance edge computing for harsh maritime environments and complex bridge consoles.

SPECIFICATIONS

System Specification			
Processor	Intel Core Ultra 125U 2.1GHz (up to 4.3GHz)	Memory	4GB (Default) 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 M-Key 2280 NVMe SSD, 128GB (Default) 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional)	Ethernet controller	2 x Intel® Ethernet Connection I226-X2
Operating System	Windows 11 IoT Enterprise LTSC (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)
Certification			
Certification	CE, FCC DNV-CG-0339, IEC60945 4th, IACS E10		
IO Ports			
USB Port	4 x USB 3.0 (Type-A) 1 x USB 3.0 (Type-C)	Serial Port	2 x RS232/422/485
Video	1 x DVI 1 x Display Port (Default) 1 x HDMI Output (Optional)	Audio	1 x Audio combo 3.5mm audio combo jack
Expansion Port	2 x 2.5" Removable SSD/HDD (Optional)	LAN	2 x Giga LAN

DIDO	8 x Isolated DIDO, 4 In/ 4out	NMEA	8 x NMEA 0183 Port
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Mechanical

Dimension	316.44 x 206.8 x 66.1 mm (With Mounting)	Weight	3.9 kg
Mounting	Table mount	Enclosure	Aluminum
Cooling System	Fanless Design		

Power

Power Rating	24V DC In (Approval by Certificate) 9~36V DC Input Acceptable (Optional) 115/230 VAC Input Acceptable	Consumption	50W
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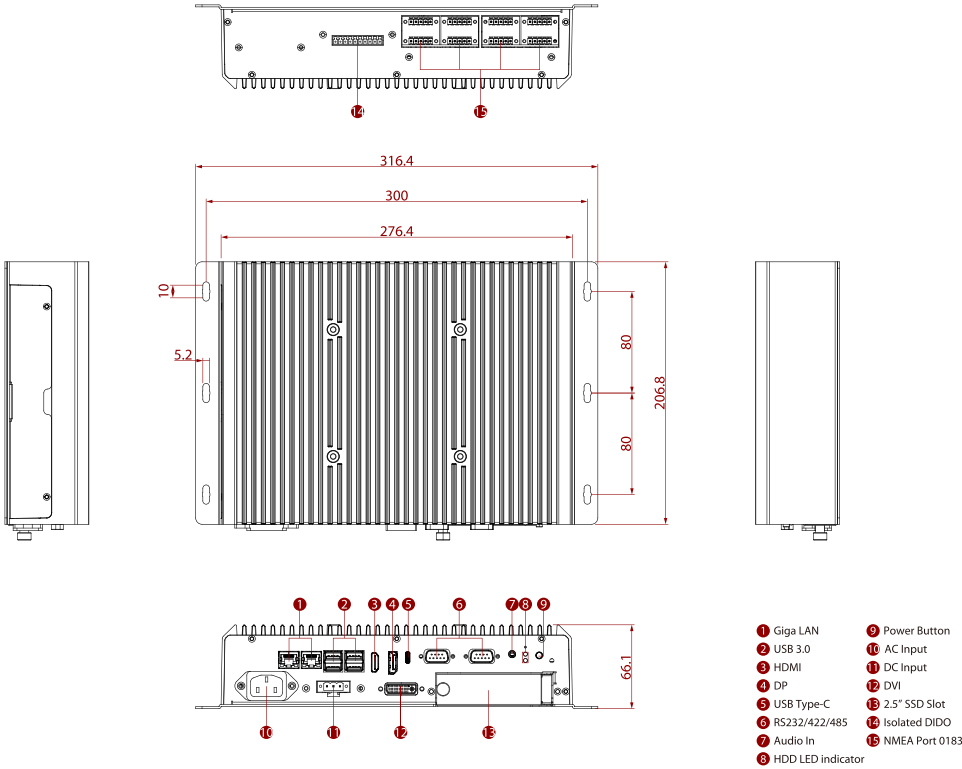
Control

Button	1 x Power Button 1 x Reset Button
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Accessory

Accessory	1 x Quick Start Guide 1 x Power Cord 1 x Open Wire Cable 1 x AC Adapter12V/ 84W
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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.
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