

# I330EAC-ITW

Intel® Core™ i5-1135G7 Marine Computer



## KEY FEATURES

- Intel® Tiger Lake Core™ i5-1135G7
- RAM 4G DDR4L (Up to 32G)
- 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
- DNVGL-CG-0339, IEC60945 Certificate

## INTRODUCTION

Winmate Marine Computer Series offers high-performance computing solutions tailored for maritime environments. Powered by advanced processors, including Intel® Tiger Lake, Elkhart Lake, and Apollo Lake, these systems deliver reliable performance for navigation, vessel monitoring, and industrial automation. Designed with features such as multi-video output, isolation power protection, and support for NMEA 0183, they ensure seamless integration with marine systems. Certified to DNVGL-CG-0339 and IEC60945 standards, the series guarantees durability in harsh conditions. Compact designs, fanless cooling, and versatile mounting options make these computers ideal for marine and industrial applications.

## SPECIFICATIONS

### System Specification

<b>Processor</b>	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)	<b>Memory</b>	2 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)
<b>Storage</b>	1 x M.2 M-Key 2280 NVMe SSD, 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional)	<b>Ethernet controller</b>	Intel® Ethernet Connection I219-LM Intel® Ethernet Connection I225-LM
<b>Operating System</b>	Windows 11 IoT Enterprise LTSC (64 bit) (Optional) Windows 10 IoT Enterprise (64 bit) (Optional)		

### Environment

<b>Operating Humidity</b>	5% to 95%	<b>Operating Temperature</b>	-15~55°C
<b>Shock</b>	15G, 11ms duration	<b>Vibration</b>	0.7g@DNV-CG-0339 (Class A)
<b>TEMPEST</b>	ignore		

### Certification

<b>Certification</b>	CE, FCC DNV-CG-0339, IEC60945 4th, IACS E10
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### IO Ports

<b>USB Port</b>	4 x USB 3.0	<b>Serial Port</b>	2 x RS232/422/485
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<b>Video</b>	1 x DVI 1 x Display Port 1 x HDMI Output (Optional)	<b>Audio</b>	1 x Audio combo 3.5mm audio combo jack
<b>Expansion Port</b>	2 x 2.5" Removable SSD/HDD (Optional)	<b>LAN</b>	2 x Giga LAN
<b>DIDO</b>	8 x Isolated DIDO, 4 In/ 4out	<b>NMEA</b>	8 x NMEA 0183 Port

### Mechanical

<b>Dimension</b>	316.44 x 206.8 x 62.1 mm (With Mounting)	<b>Weight</b>	3.9 kg
<b>Mounting</b>	Table mount	<b>Enclosure</b>	Aluminum
<b>Cooling System</b>	Fanless Design		

### Power

<b>Power Rating</b>	24V DC In (Approval by Certificate) 9~36V DC Input Acceptable	<b>Consumption</b>	50W
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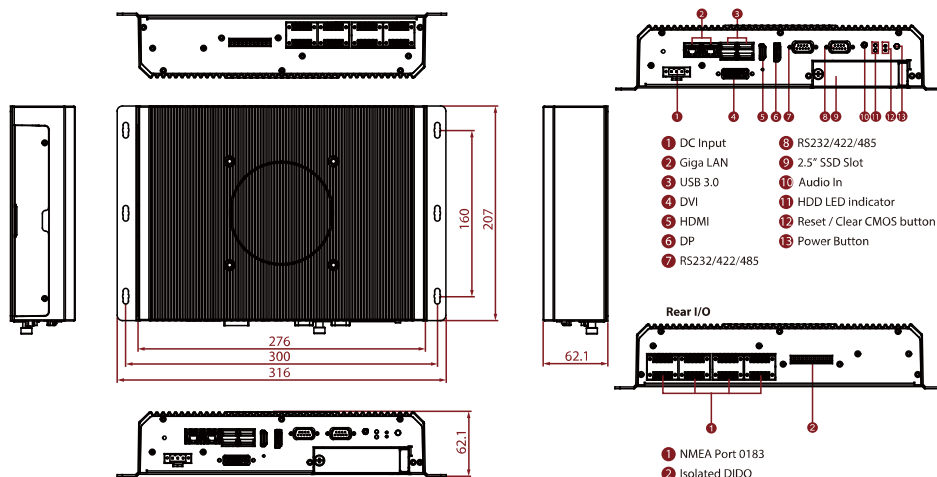
### Control

<b>Button</b>	1 x Power Button 1 x Reset Button
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### Accessory

<b>Accessory</b>	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.