

I330EAC-IK3

Intel® Core™ i5-7200U Marine Computer



CE

FC

KEY FEATURES

- Design for Marine Industrial Box pc, M2M application
- 7th Generation (kaby Lake) Intel® Core™ i5-7200U 2.5GHz (turbo to 3.1GHz)
- 1 x SODIMM DDR4 2133 MHz (max , 16GB)
- 3x RS422/485 Serial Ports with Isolation Protection
- 1x RS232 Serial Ports
- 2x Giga LAN, 2 x USB, 1x HDMI, 1 x VGA
- Fanless, High efficiency thermal design w/ sealed construction
- 1.5KV DC power isolation resistance

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

Processor	Intel Core i5-7300U 2.6GHz (up to 3.5GHz)	Memory	1 x SO-DIMM, DDR4 2133 MHz, 4GB 8GB (Optional) 16GB (Optional)
Storage	1 x M.2 2242 SSD 128GB 256GB (Optional) 512GB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 2.0	Operating System	Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional)
WLAN	Support (Optional)	BT	Support (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

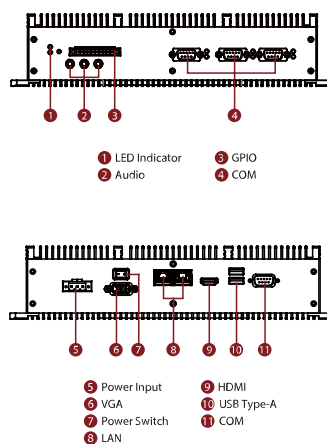
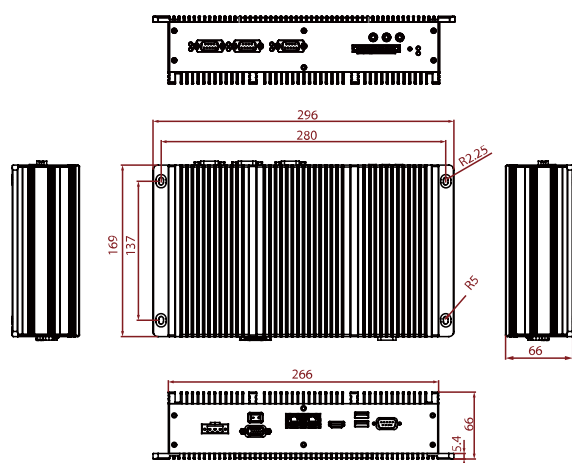
Certification	CE, FCC
----------------------	---------

IO Ports

USB Port	2 x USB 3.0	Serial Port	1 x RS232/422/485 3 x RS422/485 (Isolation)
Video	1 x VGA 1 x HDMI (Optional)	Audio	1 x Audio In Jack 1 x Audio Out Jack

LAN	2 x RJ45 (Giga Lan)	Front Control	1 x Mic In 1 x Reset Button 1 x Power Switch on/off
Indicator	1 x PWR LED 1 x HDD LED	GPIO	8 Channel GPIO by Phoenix type Terminal Block 5V/12mA
Mechanical			
Dimension	296 x 169 x 66 mm	Weight	3.1 kg
Mounting	Table mount	Enclosure	Aluminum
Cooling System	Fanless Design		
Power			
Power Rating	24V DC In (Approval by Certificate) 9~36V DC Input Acceptable	Consumption	50W
Accessory			
Accessory	1 x User Manual 1 x Power Cord 1 x Open Wire Cable 1 x AC Adapter12V/ 84W		

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.