MPC-E10-1300 Series
Intel® Core™ i5 or i7 Marine Computer

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Our Vision is Your Vision

KEY FEATURES

- Intel® Tiger Lake Core™ i5/i7
- 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
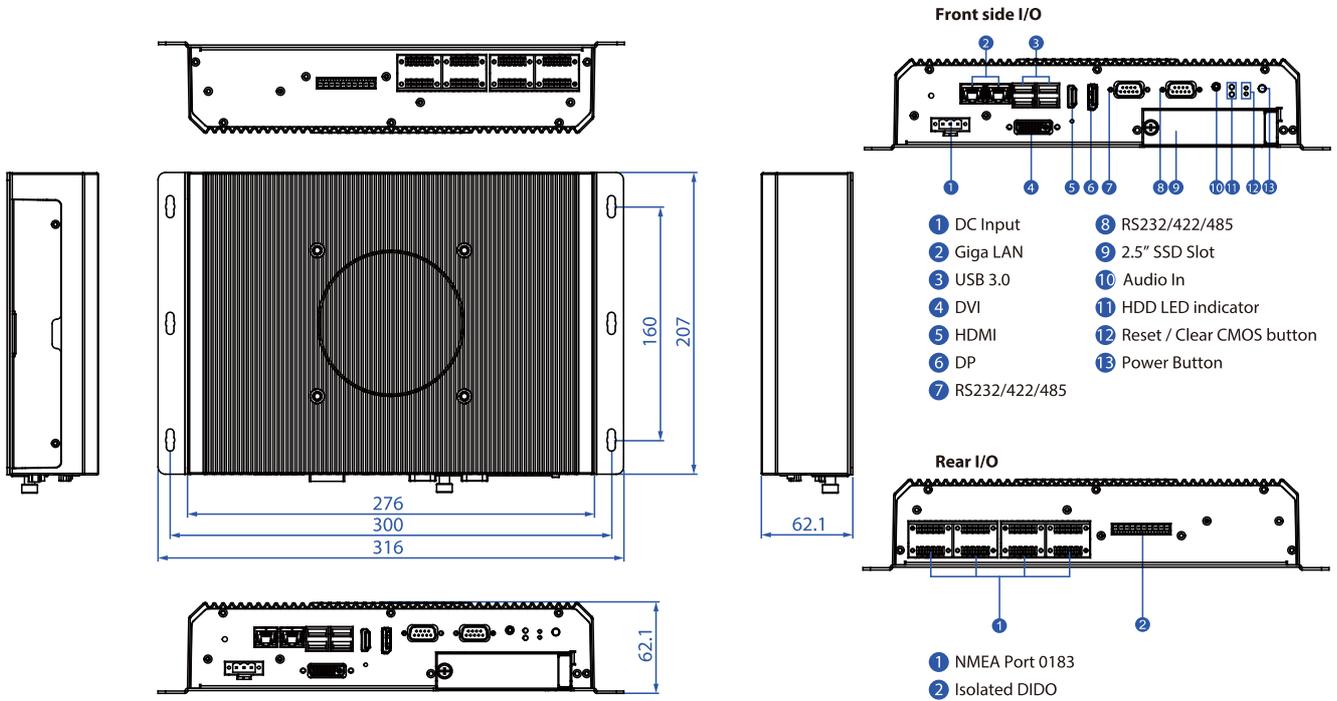- 8 x NMEA Port 0183
- DNVGLCG0339, IEC60945 Certificate

SPECIFICATIONS

System Specification

Processor	MPC-E10-1300-i5: Intel Core i5 2.4GHz (up to 4.2GHz) MPC-E10-1300-i7: Intel Core i7 2.4GHz (up to 4.2GHz)	**Memory**	2 x SODIMM, DDR4 2133 MHz, 4G 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 128GB 256GB (Optional) 512GB (Optional)	**Ethernet controller**	Intel® Ethernet Controller I211AT + Intel® Ethernet Connection I219LM
Operating System	Windows 10 IoT Enterprise (Optional)		

Environment

Operating Humidity	5% to 95%	**Operating Temperature**	15~55°C
Shock	15G,11ms duration	**Vibration**	0.7g@DNVGL CG0339 (Class A)

Certification

Certification	CE / FCC DNVGLCG0339 / IACS E10 IEC 60945 4th Edition (Test Report Available)

IO Ports

USB Port	4 x USB 3.0	**Serial Port**	2 x RS232/422/485
Video	1 x DVI 1 x Display Port 1 x HDMI Output	**Audio**	1 x Audio combo 3.5mm audio combo jack
Expansion Port	2 x 2.5" Removable 64GB SSD/HDD up to 512GB (Optional)	**LAN**	2 x RJ45
DIDO	8 x Isolated DIDO, 4 In/ 4out	**NMEA**	8 x NMEA 0183 Port

Mechanical

Dimension	316.44 x 206.8 x 62.1 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	**Consumption**	50W

Control

Button	1 x Power Button 1 x Reset Button

Accessory

Accessory	1 x Quick Start Guide(Hardcopy) 1 x Driver CD & User Manual 1 x Power Cord 1 x AC Adapter12V/ 84W

DIMENSIONS UNIT:MM

Front side I/O

❶ DC Input	❽ RS232/422/485	
❷ Giga LAN	❾ 2.5" SSD Slot	
❸ USB 3.0	❿ Audio In	
❹ DVI	⓫ HDD LED indicator	
❺ HDMI	⓬ Reset / Clear CMOS button	
❻ DP	⓭ Power Button	
❼ RS232/422/485		

Rear I/O

❶ NMEA Port 0183
❷ Isolated DIDO

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.