

MPC-E10-1300 Series

Intel® Core™ i5 or i7 Marine Computer
IEC60945 compliant for ECS Chart Systems



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



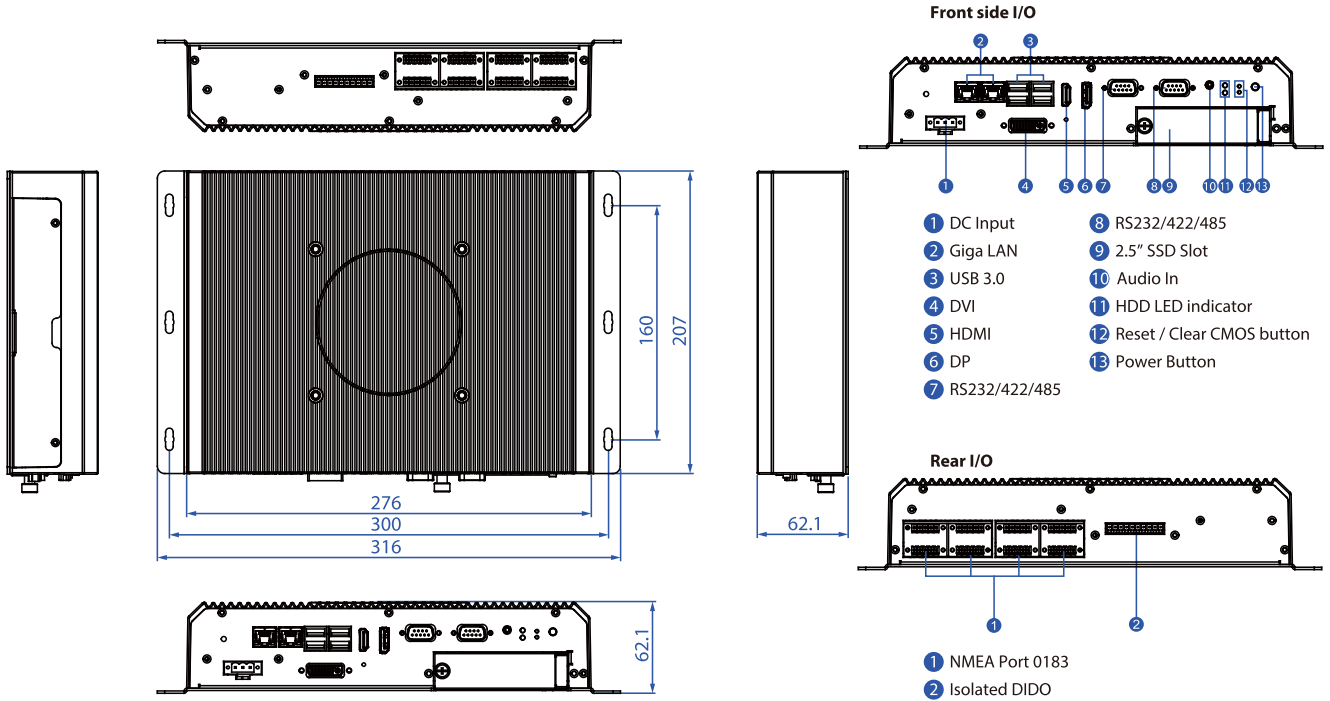
SPECIFICATIONS

System Specification			
Processor	MPC-E10-1300-i5: Intel Core i5 2.4GHz (up to 4.2GHz)	Memory	2 x SODIMM, DDR4 2133 MHz, 4G
	MPC-E10-1300-i7: Intel Core i7 2.4GHz (up to 4.2GHz)		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
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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.