

MCS-DB001

Smart Marine Control System



Feature Highlight

- Intel® 13th Gen Core™ i3/i5/i7 Raptor Lake-P family Processor
- Rugged aluminum enclosure and fan less design
- 4x NMEA 0183 (RS-422/485)
- 8x isolated DIO ports
- 2x Hot-swap 2.5" SSD drive bays
- 2x DP, 6x USB,
- 4x 2.5GbE Ethernet
- TPM 2.0
- Supports Windows 11, IoT, Linux
- Compact Fanless Chassis
- CE/FCC/IEC 60945/61162-1/2, IACS E10/RoHS Certified

Specifications

System Configuration		Description
CPU	Intel® Core™ Celeron -7305E	
	Intel® Core™ i3-1315URE	
	Intel® Core™ i5-1345URE	
	Intel® Core™ i7-1365URE	
System Memory	2 x SO-DIMM DDR5 5600 Mbps	
Storage	2 x 2.5" Hard Drive SSD bay	
	M.2 2280 socket (for PCIe 4.0 NVMe / SSD)	
I/Os	Ethernet	4 x RJ-45: 2 x Intel® I226V 2.5 GbE 2x Realtek RTL8125B 2.5 GbE
	USB	4x USB3.0 , 2x USB2.0
	Serial Port	4x NMEA0183 (RS-422/485) 2x DB9(RS-232/422/485) 8x isolated DIO
	Display	2x DP++ (Up to 4K each)
	Audio	Mic in, line out
	Expansion Slots	M.2
Mini PCIe		1x Mini PCIe (USB2.0) (GNSS)
Antenna Hole		5x SMA type
Power		AT/ATX Power Mode Power Button 9V ~ 36V DC-IN (2-PIN Terminal Block) Remote power on/off (2-Pin Terminal Block)
Operating Temperature	-20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing	
Storage Temperature	-40°C ~ 80°C, 10% ~ 95%, non-condensing	
Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)	
Operating Vibration	MIL-STD-810H 514.6C-1 (with SSD)	
Certification	CE/FCC/IEC 60945/61162-1/2, IACS E10/RoHS Certified	
OS Support	Windows 11, Ubuntu22.04	

Mechanical

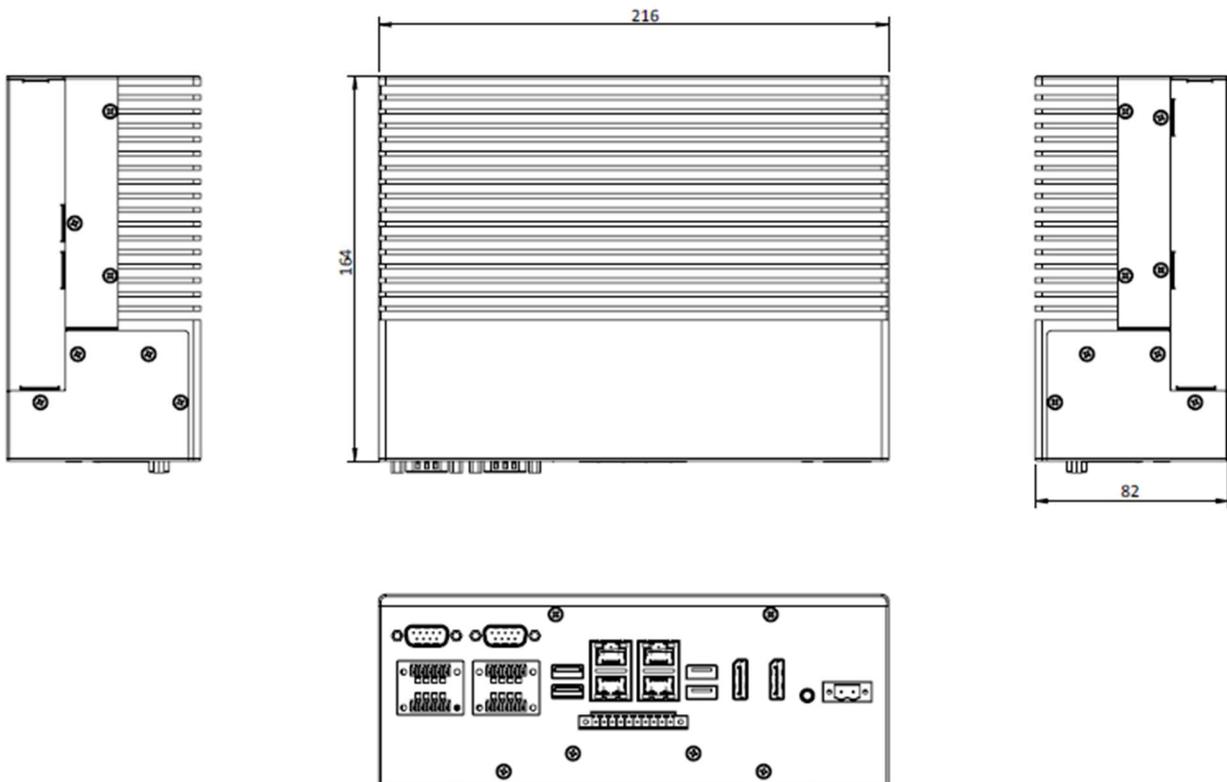
Dimensions	216(W) x 82(H) x 164(D) mm
Mounting	Wall-mount
Chassis Material	Aluminum alloys
Weight	2.5 kg



Front View



Rear View



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