



Marine Grade Compact
DC SERVER
Ruggedized for Shipboard Use

MPC-MCS8

The MPC-MCS8 is a compact, high performance marinated xerver designed for shipboard use in all weather conditions up to Sea State 5. The high performance Xeon D-2146NT 2.3 GHz. EightCore CPU is built for maximum performance at low power/heat and low maintenance. Designed for high shock and vibration, conformally coated electronics and wide variations in operating temperature, the compact, ruggedized enclosure fits in tight places without compromising functionality. The MPC-MCS8 is designed to be bolted down where ever it is convenient , or mounted on DIN rails or rack mounted for operation in a vessel. The MPC-MCS8 is user friendly, running Microsoft Server2016 or 2019® , Vmware or other compatible operating systems. It offers standard I/O including 2-USB 3.0 ports, 4 - GbE ports, 2 - 10GbE ports, 2x 10G SFP+and 1 - dedicated PMI. It also has 1 - VGA monitor output, 1 - Mini-PCIe 3.0 x8 expansion slot and 2.5" drive bay. The MPC-MCS8 is designed to be powered directly from any 12 VDC source. The MPC-C2186 enclosure yet it is rated to operate from -10° to +60°C (14° to 140°F) and it is extremely compact, taking only 10"W x 8.9"D x 1.7"H. Connections are made to the computer via standard computer connectors for interoperability and convenience. Standard is 250GB SSD and 8GB RAM, and available options include up to 2TB SSD, up to 32GB RAM, optional network connection configurations ard external AC power adapter.



Front



Rear

Standard Features

- Intel® Xeon 2.3 GHz. EightCore D-2146NT Processor.
- 250 GB 2.5" or M.2 SSD Drive, Upgradable up to 2TB.
- 8 GB up to 32 GB DDR4 2400MHz. RAM.
- 4x GbE LAN Ports, 2x 10GbE LAN Ports, expandable.
- 1x Dedicated IPMI Management, Configurable.
- 1 - PCIe 3.0 x8 Expansion slot.
- 2 - USB 3.0 Ports.
- Windows Server 2016 or 2019® or Vmware Operating Systems.
- Built-in Intel QAT up to 40 Gbps Crypto/Compression.
- Compact Ruggedized Case with Marine Preparation.
- 12 VDC Power Input. External AC Supply Optional.
- Super-compact 10" x 8.9" x 1.7", 5 lb.
- Optional Wall, DIN Rail or Rack Mounting Kits.



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Specifications

□	CPU	Intel® D-2146NT 1.9 GHz. Processor, 8 Cores, 16 Threads	
□	Operating System Options	Windows Server 2016, Windows Server 2019, VMware ESXi	
□	Hard Drive	250 GB Industrial Grade SSD, Optional up to 2TB, M.2 or M.2 Form Factor.	
□	Memory	8 GB up to 32 GB DDR4-2400 LP ECC Registered Server Memory	
□	Expansion	1 - PCIe 3.0 x8 Slot (Internal)	
□	I/O Ports	2 - USB 3.0	
□	Monitor Support	Standard VGA (RGB)	
□	Networking	4 - GbE LAN, 2 - 10GbE LAN, RJ-45	
□	Dimensions	10"W x 8.9"D x 1.7"H (254mm. x 226mm. x 43mm.)	
□	Mounting	Optional Wall/Surface Feet, DIN Rail Kit, Rack Mount Kit	
□	Weight	2.4 kg / 5.2 lbs.	
□	Power	75 Watts Nominal, 90 Watts Max	
□	Environmental	Operating	Non-Operating
	Temperature (Air Ambient)	-10°C to 60°C (14°F to 140°F)	-40°C to 75°C (-40°F to 167°F)
	Relative Humidity	5% to 90% (@40°C) non-condensing	
□	Electrical		
	Input	12 VDC Internal	120/240 VAC (Ext. Adapter)
	Frequency		45 – 75 Hz
□	Standards	CE, FCC Class B Part 15	