

27" Marine Panel PC with 10th Gen Intel® Core™ I Processor

Overview

MP-270 is a fanless 27-inch marine Panel PC, powered by 10th generation Intel ®Core ™i5/i7 Processor, used for highperformance computing. It adopts a modular design, which facilitates CPU board or I/O board upgrades and ensures stable system structure and reliable industrial performance. Adopting a large-sized and high specification display screen, a multi-point touch capacitive screen, and optional AG AF treatment on the glass surface, combined with the front panel brightness adjustment knob, it is more suitable for ship applications. The aluminum alloy front panel, metal body, and excellent heat dissipation performance ensure that the electromagnetic compatibility design of the entire machine complies with the ship's electrical specifications.

Features

- 27" LED-backlit LCD with capacitive touch screen Optional AG AF glass surface treatment
- Rugged aluminum enclosure and fanless design
- 10th Gen Intel[®] Core[™] i5/i7 processor
- 3x COM, 4x USB, 4x LAN, 1x HDMI
- DC 9~36V
- Supports VESA 100 mount and panel mount
- Front panel integrated switch, brightness adjustment knob
- IP65 compliant front panel







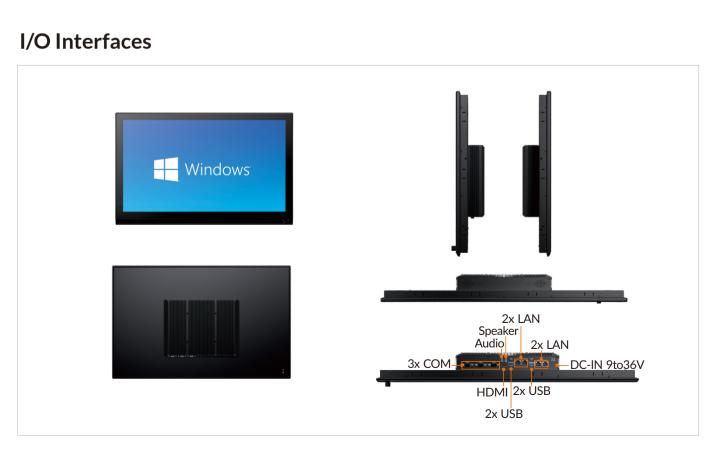




Operating Temp.

IP65

Touch Display







Specifications

Display			
Size	27 inch		
Touch Type	Multi touch capacitive screen		
Display Type	TFT-LCD		
Transmittance	87% (capacitive)		
Control Interface	USB		
Surface Hardness	≥7H		
Resolution	1920 x 1080		
Luminance	300 nits		
Contrast Ratio	1000: 1		
View Angles	89 (left), 89 (right), 89 (up), 89 (down)		
LED Lifetime	40,000 hrs		
Color	16.7M		
System	10.7141		
- Cystem	Intel® Core™ i5-10210U (1.6 GHz) Intel Core™ i7-10710U (1.1 GHz) Six		
CPU	quad-core eight-thread processor	Core Twelve Thread Processor	
Memory	2x DDR4 2666 SO-DIMM (up to 64GB)	2x DDR4 2666 SO-DIMM (up to 64GB)	
Memory	1x 2.5" SATA HDD/SSD (optional)	27 DDN+ 2000 30-DHVHVI (up to 64GB)	
Storage	1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCle for mSATA SSD		
I/O Ports	1X Tull letigut Militi PCIe for IIISATA 33D		
USB	Av LISP 2.0		
Serial	4x USB 3.0		
Ethernet	3x COM (COM1 supports RS-232, COM2 and COM3 support RS-232/422/485)		
	4x GbE LAN		
Display	1x HDMI		
Antenna	2x SMA antenna holes		
Expansion Slot	4 (1 1 1 1 1 1 1 1 1		
Mini PCle	1x full length Mini PCle for Wi-Fi		
	1x full length Mini PCIe for mSATA"		
RF Communication			
Wi-Fi	Mini PCIe expansion (optional)		
Cellular	Mini PCIe expansion (optional)		
Bluetooth	Mini PCIe expansion (optional)		
Audio			
Audio	Mic in, line out		
Speaker	2Ω5W speaker(optional)		
Power			
Button	Yes		
Remote Power On/Off	1x Remote switch connector		
DC Input	9 to 36VDC		
Power Connector	M12		
Power Consumption	29W	32W	
Ignition On/Off	1x AC loss		
Power Adaptor	AC-DC, 12V@7.5A, 90W		
Operating System			
Windows	Windows 10, Windows 11		
Mechanical			
Dimensions (W x D x H)	651.8 x 411 x 74.7 mm (25.7 x 16.1 x 2.9 inches)		
Weight (N.W.)	9.8 kg (22 lbs)		
Mounting	Panel mount, wall mount bracket VESA 100		
Material	Aluminum alloy panel, all-metal chassis		



Environment		
Operating Temperature	-10 to 50°C (14 to 122°F)	
Storage Temperature	-20 to 60°C (-4 to 140°F)	
Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing	
Vibration	5 to 500Hz, 0.026 G²/Hz, 2.16 Grms, X, Y, Z, 1 hour per axis	
IP Rating	IP65 compliant (for front panel)	
Certification		
EMC	CE, FCC	
Packing List		
Packing List	1x MP-270	
	14x panel mounting buckles	
	1x warranty card	

Dimensions

