.XTP-24215D1

21.5" Marine Panel PC with 10th Gen Intel® Core™ i Processor

Overview

XTP-24215D1 is a fanless 21.5-inch marine Panel PC, powered by 10th generation Intel ®Core ™i5/i7 Processor, used for high performance 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

- 21.5" 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

Windows 11/10	Fanless	IP65	Touch Display	Marine

I/O Interfaces

3x COM · Speaker Audio · 2x LAN · 2x LAN · DC-IN 9to36V · HDMI · 2x USB · 2x USB

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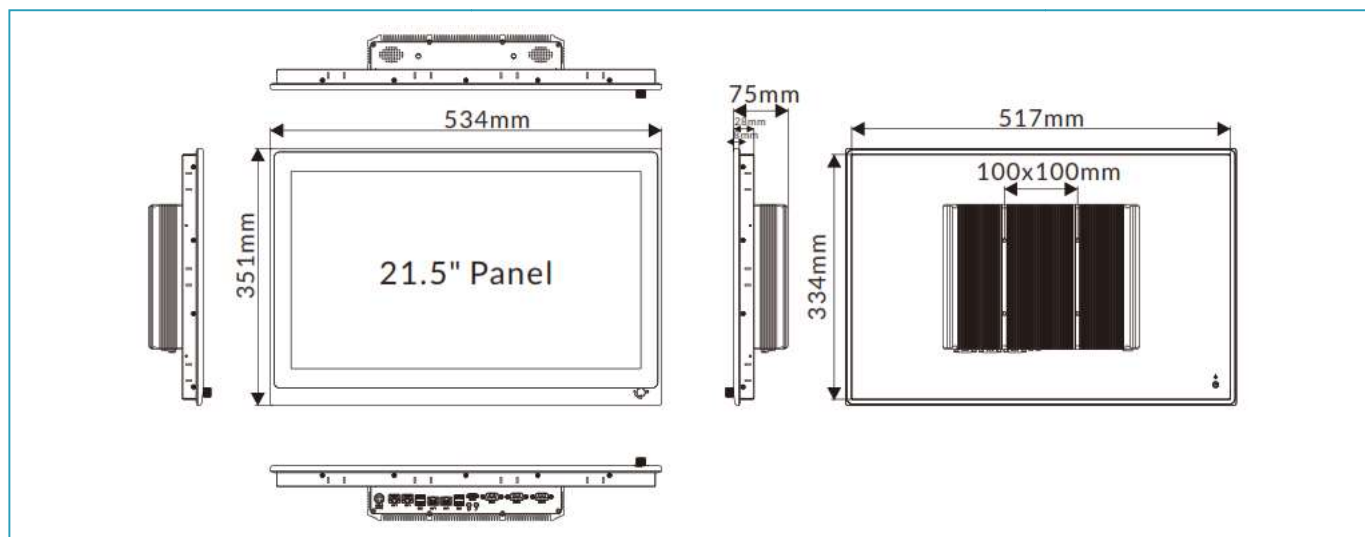21.5" Marine Panel PC with 10th Gen Intel® Core™ i Processor

Specifications

DISPLAY		
Size	21.5-inch	
Display type	TFT LCD	
Touch type	Multitouch capacitive screen	
Transmittance	87% (capacitive)	
Control Interface	USB	
Surface Hardness	≥7H	
Resolution	1920 x 1080	
Luminance	500 nits	
Contrast ratio	1000:1	
View angles	85 (left), 85 (right), 85 (up), 85 (down)	
LED Lifetime	50 000 hrs	
Color	16.7M	
SYSTEM		
CPU	Intel® Core™ i5-10210U (1.6 GHz) Quad-Core eight-thread processor	Intel® Core™ i7-10710U (1.1 GHz) Six-Core twelve-thread processor
Memory	2x DDR4 2666 SO-DIMM (up to 64GB)	2x DDR4 2666 SO-DIMM (up to 64GB)
Storage	1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD	
Operating System	Windows 10, Windows 11	
I/O PORTS		
USB	4x USB 3.0	
Serial	3x COM : COM1 : RS-232 COM2 : RS-232/422/485 COM3 : RS-232/422/485	
Ethernet	4x GbE LAN	
Display	1x HDMI	
Antenna	2x SMA antenna holes	
EXPANSION SLOT		
Mini PCIe	1x full length Mini PCIe 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	27W	29W
Ignition on/off	1x AC loss	
Power Adaptor	AC-DC, 12V@7.5A, 90W	

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MECHANICAL		3
Dimensions (W x D x H mm)	534 x 351 x 75 mm (21 x 13.8 x 2.9 inches)	
Weight (kg)	7.8 kg (17.2 lbs)	
Mounting	Panel mount Wall mount bracket VESA 100	
Material	Aluminum alloy panel All-metal chassis	
ENVIRONMENT		
Operating Temperature	-10°C to 50°C (14 to 122°F)	
Storage Temperature	-20°C to 60°C (-4 to 140°F)	
Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing	
Vibration	5-500Hz, 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	1x XTP-24215D1 1x AC-DC power adapter 10x panel mounting buckles 1x warranty card	

Dimensions

Ordering Information

Ref.	Description
XTP-24215D1I510UC	21.5" LCD, P-CAP Touch, Intel Core I5 10210U, DC 9~36V input, 4P
XTP-24215D1I710UC	21.5" LCD, P-CAP Touch, Intel Core I7 10710U, DC 9~36V input, 4P