.XTP-24238D1

INtronix Systems

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

Overview

XTP-24238D1 is a fanless 23.8-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

- 23.8" 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

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

.XTP-24238D1

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

Specifications

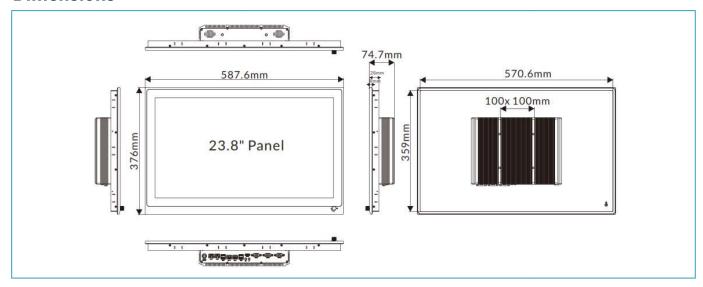| DISPLAY		
Size	23.8-inch	
Display type	TFT LCD	
Touch type	Multitouch capacitive screen	
Transmittance	87% (capacitive)	
Control Interface	USB	
Surface Hardness	≥7H	
Resolution	1920 x 1080	
Luminance	550 nits	
Contrast ratio	1000:1	
View angles	89 (left), 89 (right), 89 (up), 89 (down)	
LED Lifetime	30 000 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	

.XTP-24238D1

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

MECHANICAL	
Dimensions (W x D x H mm)	587.6 x 376 x 74.7 mm (23.1 x 14.8 x 2.9 inches)
Weight (kg)	8.6 kg (19 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°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F 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-24238D1 1x AC-DC power adapter 10x panel mounting buckles 1x warranty card

Dimensions

Ordering Information

Ref.	Description
XTP-24238D1I510UC	23.8" LCD, P-CAP Touch, Intel Core I5 10210U, DC 9~36V input, 4P
XTP-24238D1I710UC	23.8" LCD, P-CAP Touch, Intel Core I7 10710U, DC 9~36V input, 4P