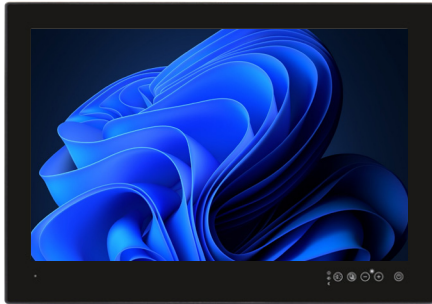


24" 8th Gen. Intel Core i3/i5 Marine Panel PC



## Features

- 24" Marine Panel PC
- 8th Gen. Intel Core i3/i5 Processors
- 1 x 260pin SO-DIMM, up to 32GB DDR4 2400MHz
- True Flat Bezel Design
- IP66 Front Panel
- Aluminum Enclosure (with Anti-Corrosion Coating)
- DC 24V Power Input with Isolated
- IEC 60945 Marine Certification

## Specifications

### Display

<b>LCD Display</b>	23.8" TFT-LCD
<b>Resolution</b>	1920 x 1080
<b>Brightness</b>	Standard - 250 cd/m <sup>2</sup> High Brightness (Optional) - 1000 cd/m <sup>2</sup>
<b>Max. Color</b>	16.7M
<b>Contrast Ratio</b>	3000:1
<b>Backlight Lifetime</b>	30,000 hrs
<b>Viewing Angle (H-V)</b>	178(H) / 178(V)
<b>Touch Type</b>	Projected Capacitive Touch
<b>Light Transmission(%)</b>	90%
<b>Interface</b>	USB

### I/O Connector

<b>Display Output</b>	1 x Display Port
<b>Ethernet</b>	2 x GbE RJ-45
<b>I/O Ports, Switches and Buttons</b>	4 x USB 3.0 type A 1 x RS-232 (COM1, 5-pin terminal block) 1 x RS-232/422/485 Selectable Default RS-485 (COM 2, 5-pin terminal block) 1 x Line-out, Phone Jack 1 x ESD Ground 1 x 2-pin Terminal Block Connector (for remote power switch) 1 x 3-pin Terminal Block Connector
<b>Front Side I/O</b>	Keypad Capacitive Touch with LED <ul style="list-style-type: none"> <li>• Power</li> <li>• Brightness +</li> <li>• Brightness -</li> <li>• Brightness Mode Swap (DAY, DUSK, NIGHT)</li> </ul> 1 x Buzzer

### Power

<b>Power Supply</b>	DC 24V with Isolated / AC Power option
<b>Power Consumption</b>	High Brightness PC : 70W (Max)

### System

<b>CPU</b>	Intel Core i3-8145UE (2C/4T, 2.2GHz, 15W TDP) Intel Core i5-8365UE (4C/8T, 1.6GHz, 15W TDP)
<b>Memory</b>	1 x 260pin SO-DIMM, up to 32GB DDR4 2400MHz
<b>System Chipset</b>	SoC
<b>TPM</b>	TPM 2.0
<b>Storage</b>	Default : 1 x M.2 M-Key 2242 (option 2280 can't use TB-528 at same time) 1 x 2.5" HDD space (option)
<b>OS</b>	Windows 10, Windows 11

### Expansion

<b>Expansion (On Board)</b>	1 x TB-528 Expansion Connector (for 19"/24" only) Option TB-528C2I for Isolation 2 x RS-422/485 Isolation
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### Environment

<b>Operating Temperature</b>	0°C ~ 50°C (WT1: -20°C ~ 60°C for optional)
<b>Storage Temperature</b>	-30°C ~ 70°C
<b>Humidity</b>	10 to 90% @ 40°C, non-condensing
<b>IP Level</b>	Front Panel IP66

### Certification Information ( in process )

<b>Certificate</b>	CE/FCC IEC 60945
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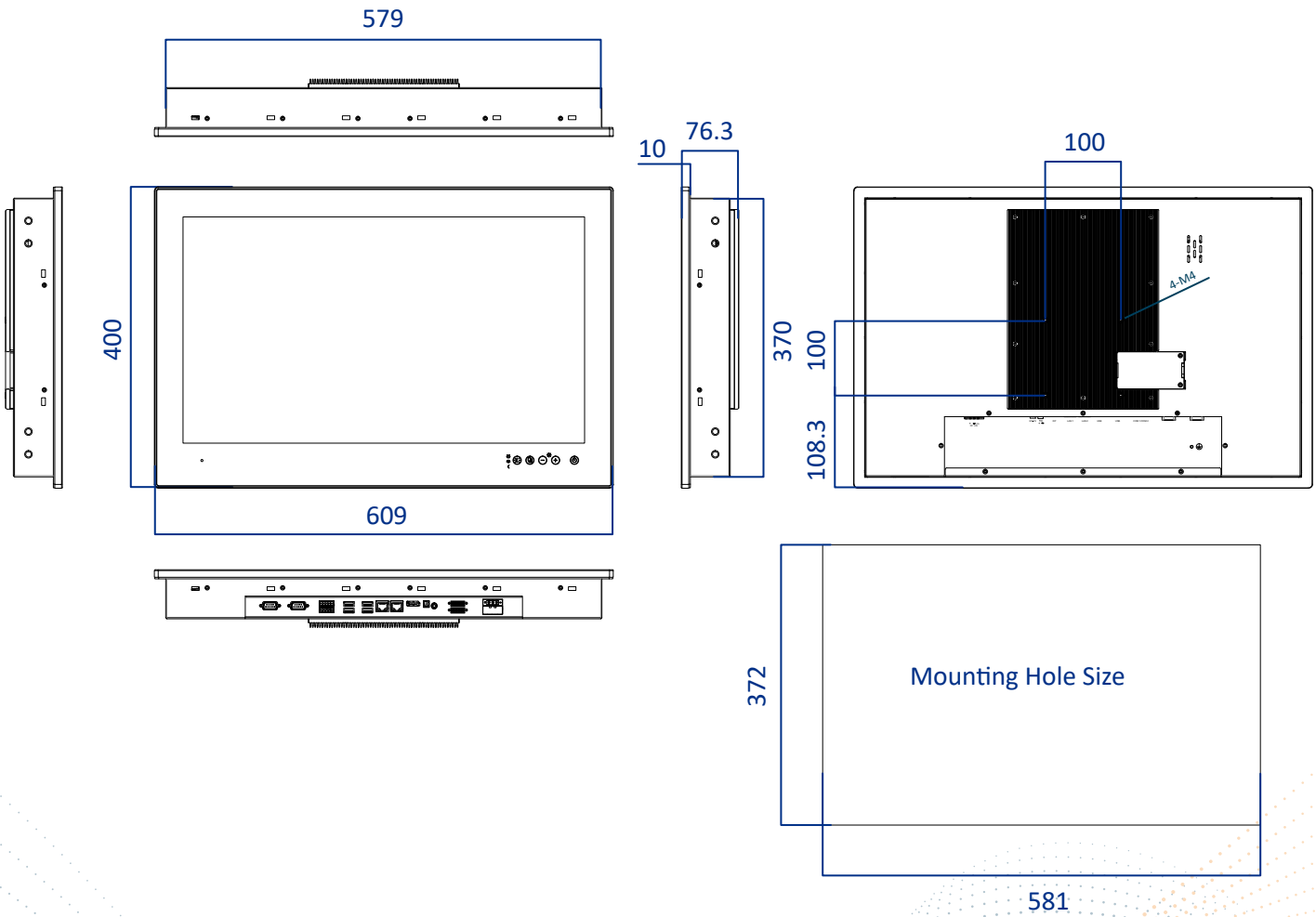
### Physical

<b>Mounting</b>	Panel Mount / VESA Mount Front Access Mount / Mounting Bracket (option)
<b>Construction Material</b>	Black / Aluminum Bezel and Aluminum Housing (Anti-Corrosion Coating)
<b>Dimensions (W x H x D) (mm)</b>	609 x 400 x 76.3
<b>Net Weight</b>	7.8 kg

## Product I/O View



## Mechanical Drawings (Unit = mm)



## Ordering Codes

Model Number	Description
VTC-A8024MRN-i3	24" Projected Capacitive touch screen Marine Certified IEC 60945 Panel PC with 8th Gen. Intel Core i3-8145UE (2C/4T,2.2GHz,15W TDP) processor, 1 x M.2 M-Key 2242,8GB DDR4 2400MHz
VTC-A8024MRN-i5	24" Projected Capacitive touch screen Marine Certified IEC 60945 Panel PC with 8th Gen. Intel Core i5-8365UE (4C/8T,1.6GHz,15W TDP) processor, 1 x M.2 M-Key 2242,8GB DDR4 2400MHz

VTC-A8024MRN-22-05-2024