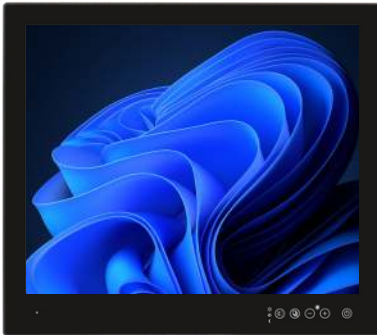


19" 8th Gen. Intel Core i3/i5 Marine Panel PC



Features

- 19" 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

LCD Display	19" TFT-LCD
Resolution	1280 x 1024
Brightness	Standard - 350 cd/m ² High Brightness (Optional) - 1000 cd/m ²
Max. Color	16.7M
Contrast Ratio	1000:1
Backlight Lifetime	50,000 hrs
Viewing Angle (H-V)	170(H) / 160(V)
Touch Type	Projected Capacitive Touch
Light Transmission(%)	90%
Interface	USB

I/O Connector

Display Output	1 x Display Port
Ethernet	2 x GbE RJ-45
I/O Ports, Switches and Buttons	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
Front Side I/O	Keypad Capacitive Touch with LED • Power • Brightness+ • Brightness- • Brightness Mode Swap (DAY, DUSK, NIGHT) 1 x Buzzer

Power

Power Supply	DC 24V with Isolated / AC Power option
Power Consumption	High Brightness PC :52.85W (Max)

System

CPU	Intel Core i3-8145UE (2C/4T, 2.2GHz, 15W TDP) Intel Core i5-8365UE (4C/8T, 1.6GHz, 15W TDP)
Memory	1 x 260pin SO-DIMM, up to 32GB DDR4 2400MHz
System Chipset	SoC
TPM	TPM 2.0
Storage	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)
OS	Windows 10, Windows 11

Expansion

Expansion (On Board)	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

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

Certification Information (in process)

Certificate	CE/FCC IEC 60945
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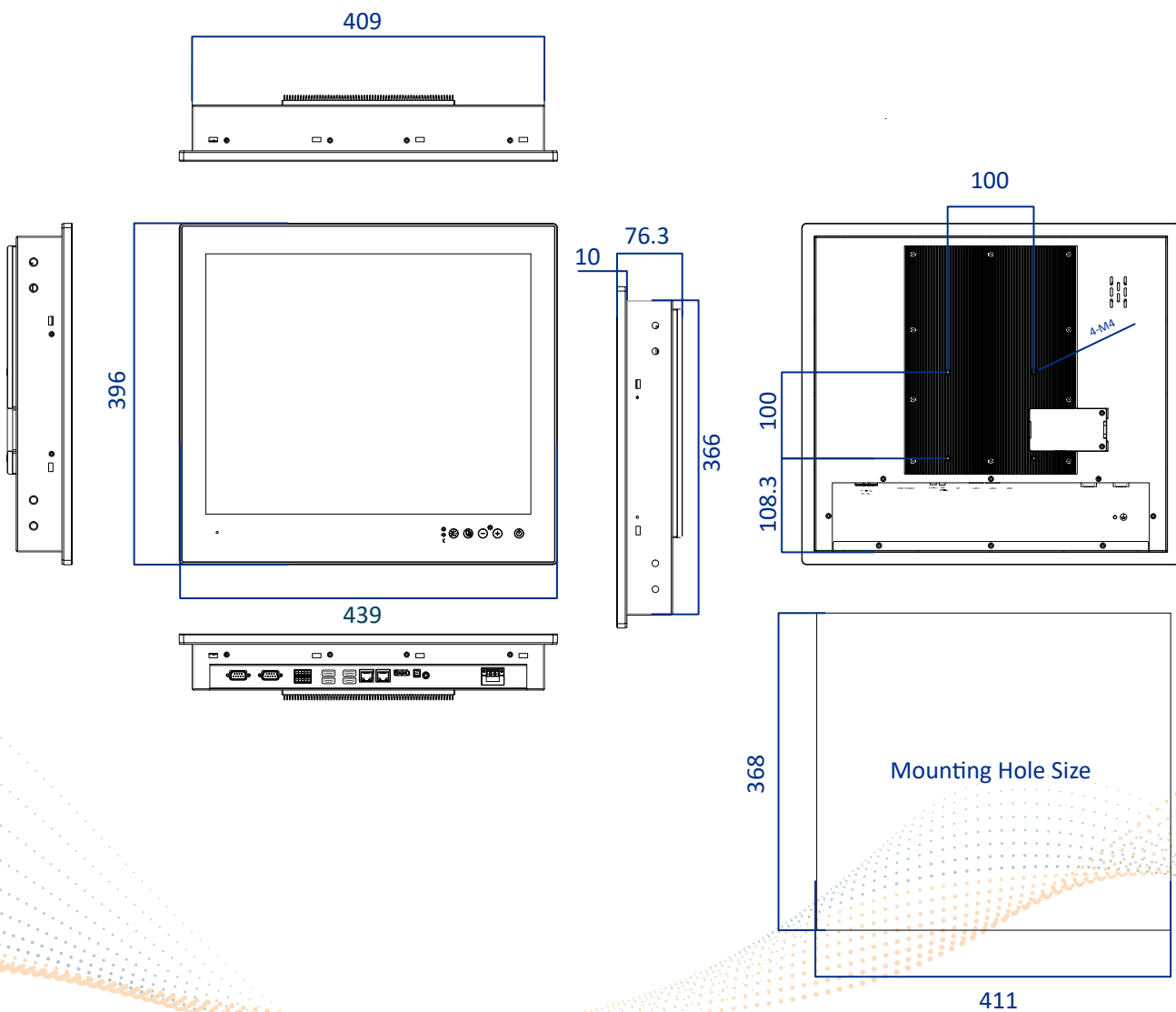
Physical

Mounting	Panel Mount/ VESA Mount Front Access Mount / Mounting Bracket (option)
Construction Material	Black / Aluminum Bezel and Aluminum Housing (Anti-Corrosion Coating)
Dimensions (W x H x D) (mm)	439 x 396 x 76.3
Net Weight	6.5 kg

■ Product I/O View



■ Mechanical Drawings (Unit = mm)



■ Ordering Codes

Model Number	Description
VTC-A8019MRN-i3	19" 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-A8019MRN-i5	19" 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-A8019MRN-09-04-2025