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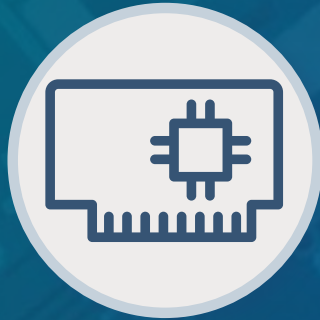
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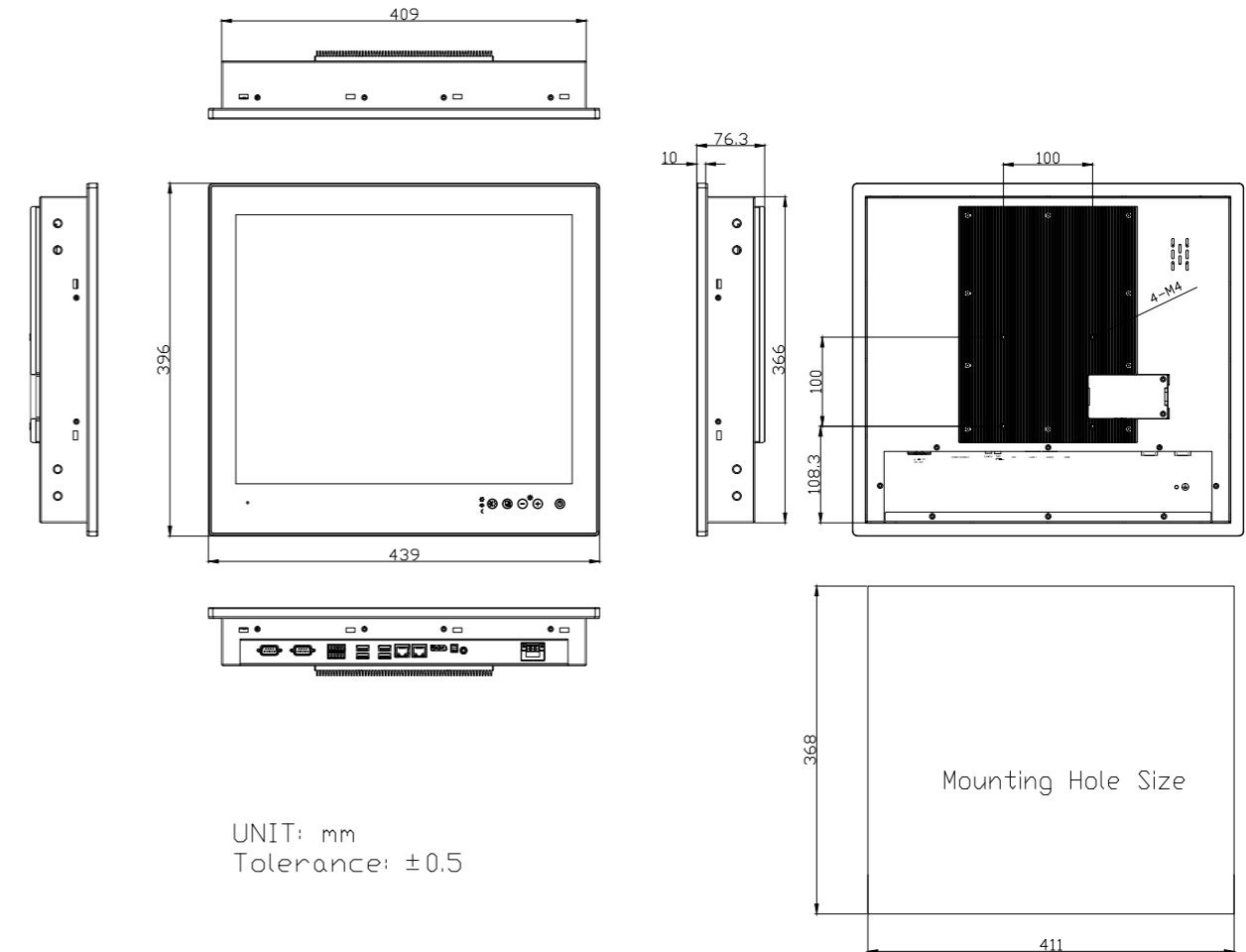-LABORATORIES-

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Features

- 19" Marine Panel PC
- 8th Gen. Intel Core i3/i5 Processors
- 1 x 260pin SO-DIMM, up to 32G 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

System

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

IO Port

USB	4 x USB 3.0 type A
Serial/Parallel	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 Display Port 1 x Line-out, Phone Jack 1 x ESD Ground
LAN	2 x GbE RJ-45
Power Connector	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

Storage Space

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)

Expansion

On board expansion bus	1 x TB-528 Expansion Connector (for 19"/24" only) option TB-528C2I for Isolation 2 x RS-422/485 Isolation

Display

Display Type	19" TFT-LCD
Max. Resolution	1280 x 1024
Max. Color	16.7M
Luminance (cd/m^2)	350
View Angle (H/V)	170(H)/160(V)
Contrast	1000:1
Backlight Lifetime	50,000 hrs

Touch Screen

Type	Projected Capacitive Touch
Interface	USB
Light Transmission(%)	90%

Dimensions

UNIT: mm
Tolerance: ±0.5

Mounting Hole Size

Power

Power Input	DC 24V with Isolated / AC Power option
Power Consumption	ViKING-919BPH :52.85W (Max)

Mechanical

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

Environmental

Operating Temperature	0~50°C (WT1: -20~60°C for optional)
Storage Temperature	-30~70°C
Humidity	10 to 90% @ 40°C, non-condensing
IP Rating	Front Panel IP66
Certificate	CE/FCC/IEC 60945

Operating System Support

Windows 10, Windows 11

V 1.1