



Powered by Intel® Alder Lake-S platform

■ Features

- 21.5" Fanless panel PC equipped with 12th Gen Intel® Alder Lake S series Desktop Platform
- Anti-glare & anti-UV 10-point PCAP touchscreen, and IP65 compliant front panel
- HDMI 2.0 display output
- One PCIe Gen 4x16 slot, one M.2 M key & one M.2 E key expansion slots
- Support Gloved and Wet Hand Operation
- Newly Designed Panel Mount Kit
- New Graphical BIOS Interface

■ Specifications

Display

LCD Display	21.5" (16:9)
Resolution	1920 (W) x 1080 (H)
Brightness	350 cd/m ²
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.3 x 0.3
Viewing Angle (H-V)	170°/160°
Backlight MTBF	50000 hours
Touchscreen	Multi-point projected capacitive type Surface hardness: ≥7H
Touch Controller	Projected capacitive type: EETI 80

I/O Connector

Display Output	1 x HDMI 2.0
Ethernet	LAN1: Intel® I225 + LAN2: Intel® I225
I/O Ports,	1 x HDMI 2.0
Switches and Buttons	2 x 2.5GbE RJ45
	2 x USB 2.0 (Type-A)
	2 x USB 3.2 Gen1 (Type-A) (5Gb/s)
	2 x USB 3.2 Gen2 (Type-A) (10Gb/s)
	1 x RS-232/422/485 (RS-485 support AFC)
	4 x RS-232
	1 x AC input
	1 x Power switch
	1 x Clear CMOS button
	1 x Reset button
	1 x AT/ATX switch

Power

Power Supply	250W AC input ATX power supply - Input: 100V~240V AC, 47Hz-63Hz - Output (max.): 3.3V@6A, 5V@12A, 12V@17A, 12V@0.5A, +5Vsb@2A Support AT/ATX mode, ErP/EuP Compliant
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System

CPU	12th Gen Intel® Core™ i9/i7/i5/i3 and Pentium® Processor (LGA1700)
Chipset	Intel® H610
Graphics Engine	New Intel® Xe Graphics architecture with SRIOV, Genlock
Memory	Two 260-pin 3200 MHz dual-Channel DDR4 SO-DIMM (max. 64GB)
Storage	1 x 2.5" SATA HDD bay
Thermal Solution	Smart fan (2 x CPU fan, 2 x System fan)
TPM	Intel® Platform Trust Technology
Watchdog Timer	Software Programmable Support 1~255 sec. system reset

Expansion

Expansion	1 x PCIe Gen4 x 16 slot with x16 Signal 1 x M.2 E-Key 2230 (PCIe Gen3 x1 + CNVio + USB 2.0) 1 x M.2 M Key 2242/2280 NVMe (PCIe Gen3 x 4)
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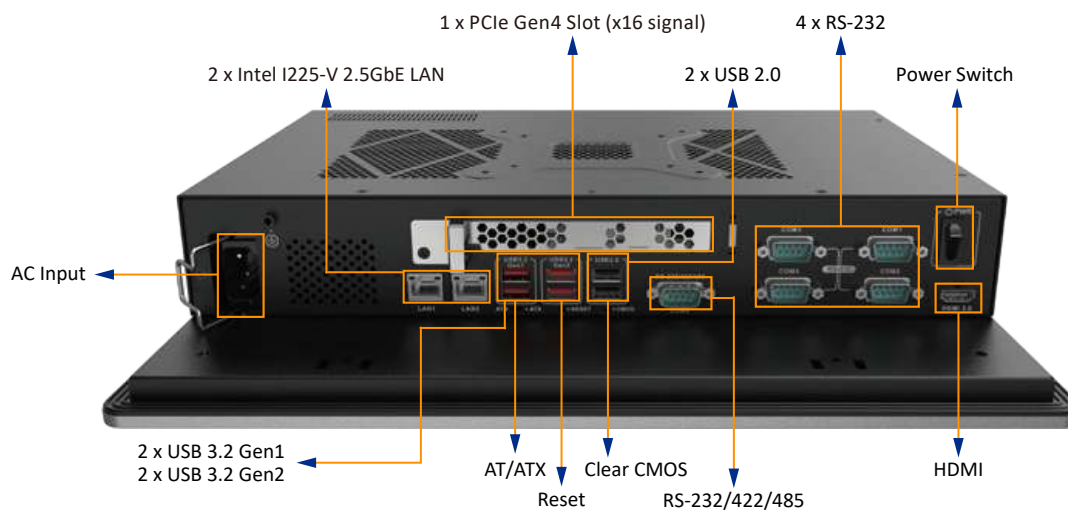
Environment

Operating Temperature (with air flow)	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Humidity	10% ~ 95%@40°C, non-condensing
IP Level	IP 65 compliant front panel

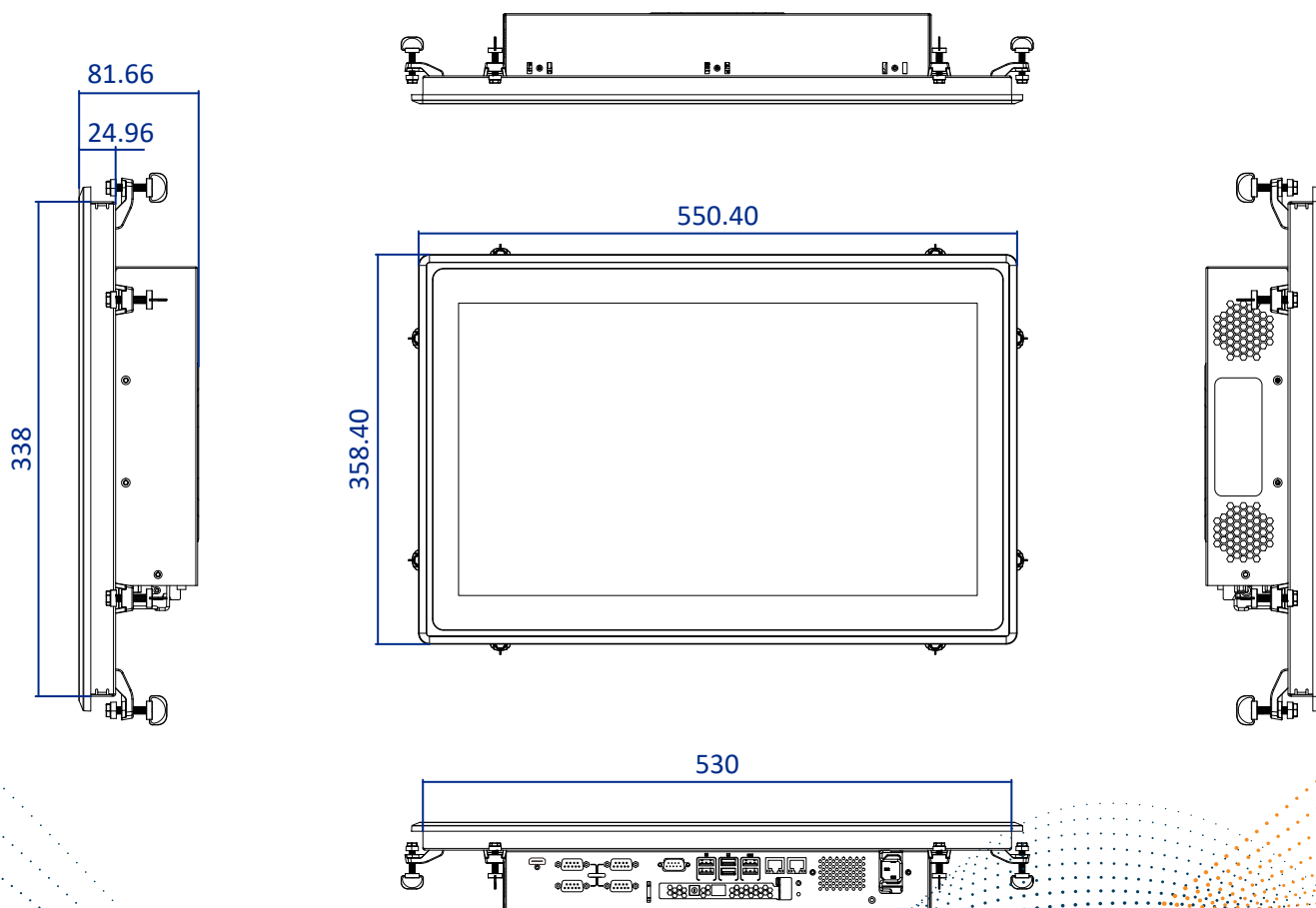
Physical

Mounting	VESA 100mm x 100mm Panel, Wall, Rack, Stand and Arm
Construction Material	Aluminum front cover and sheet metal rear cover
Enclosure Color	Black C
Dimensions(W x H x D) (mm)	550.40 x 358.40 x 81.66
Net Weight	8.205 kg

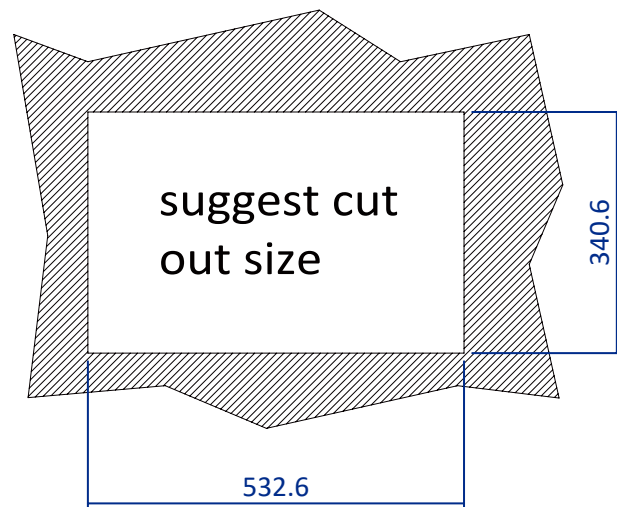
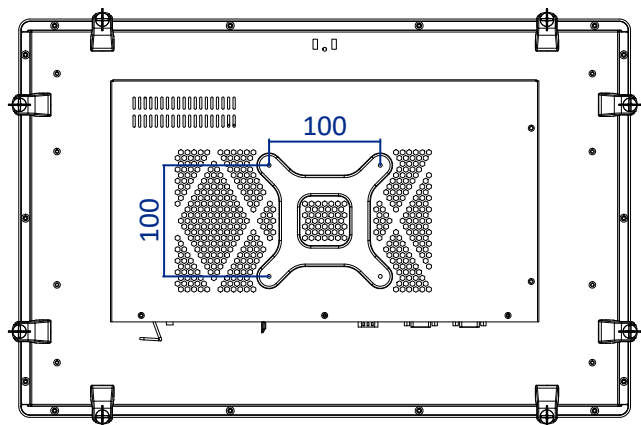
■ Product I/O View



■ Mechanical Drawings (Unit = mm)



■ Mechanical Drawings (Unit = mm)



■ Available Models

Model Number	Description
VTC-i212-215-TF-i7/ 8G-R10	21.5" 350 cd/m ² 1920x1280 panel PC with 12th Intel® Core™ i7-12700 processor (25M cache, up to 4.90 GHz), TDP 65W, 8GB DDR4, HDMI output, 1 x PCIe Gen4 x16 slot, 1 x M.2 E key, 1 x M.2 M key, ATX/AT power supply, PCAP touchscreen with AG, R10
VTC-i212-215-TF-i5/ 8G-R10	21.5" 350 cd/m ² 1920x1280 panel PC with 12th Intel® Core™ i5-12400 processor (18M cache, up to 4.40 GHz), TDP 65W, 8GB DDR4, HDMI output, 1 x PCIe Gen4 x16 slot, 1 x M.2 E key, 1 x M.2 M key, ATX/AT power supply, PCAP touchscreen with AG, R10
VTC-i212-215-TF-i3/ 8G-R10	21.5" 350 cd/m ² 1920x1280 panel PC with 12th Intel® Core™ i3-12100 processor (12M cache, up to 4.30 GHz), TDP 60W, 8GB DDR4, HDMI output, 1 x PCIe Gen4 x16 slot, 1 x M.2 E key, 1 x M.2 M key, ATX/AT power supply, PCAP touchscreen with AG, R10
VTC-i212-215-TF-P/ 8G-R10	21.5" 350 cd/m ² 1920x1280 panel PC with 12th Intel® Pentium® Gold G7400 processor (6M cache, 3.70 GHz), TDP 46W, 8GB DDR4, HDMI output, 1 x PCIe Gen4 x16 slot, 1 x M.2 E key, 1 x M.2 M key, ATX/AT power supply, PCAP touchscreen with AG, R10

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