



## Powered by Intel® Alder Lake-S platform

## Features

- 15.6" 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
- Dual 2.5G Ethernet port
- 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         | 15.6" (16:9)                                                   |
| Resolution          | 1920 (W) x 1080 (H)                                            |
| Brightness          | 450 cd/m <sup>2</sup>                                          |
| Contrast Ratio      | 500 : 1                                                        |
| LCD Color           | 16.2M                                                          |
| Pixel Pitch (mm)    | 0.252 x 0.252                                                  |
| Viewing Angle (H-V) | 170°/160°                                                      |
| Touchscreen         | Multi-point projected capacitive type<br>Surface hardness: ≥7H |
| Touch Controller    | Projected capacitive type: EETI 80                             |
| Backlight MTBF      | 50000 hours                                                    |

## I/O Connector

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

## Power

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

## 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<br>1 x M.2 E-Key 2230 (PCIe Gen3 x1 + CNVio + USB 2.0)<br>1 x M.2 M Key 2242/2280 NVMe (PCIe Gen3 x 4) |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------|

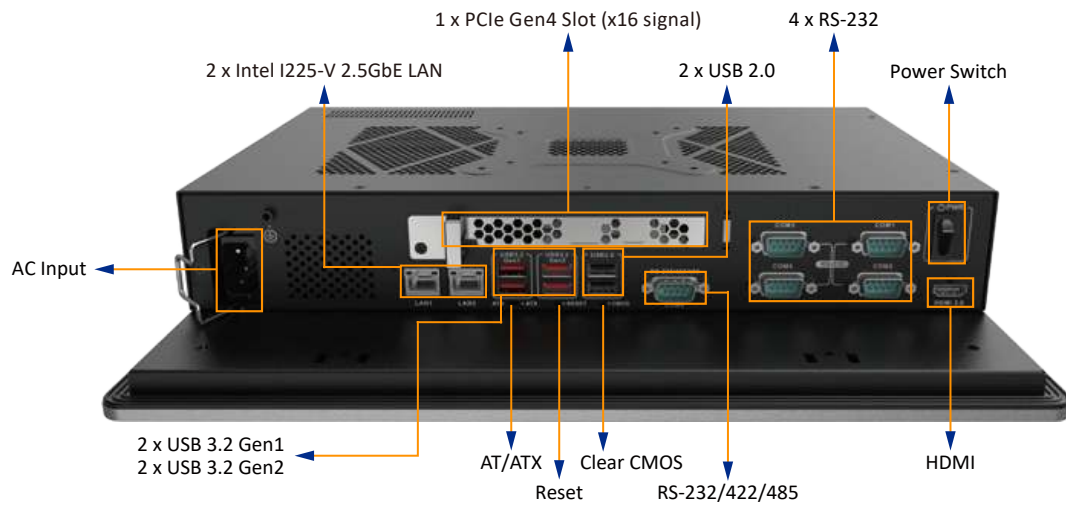
## Environment

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

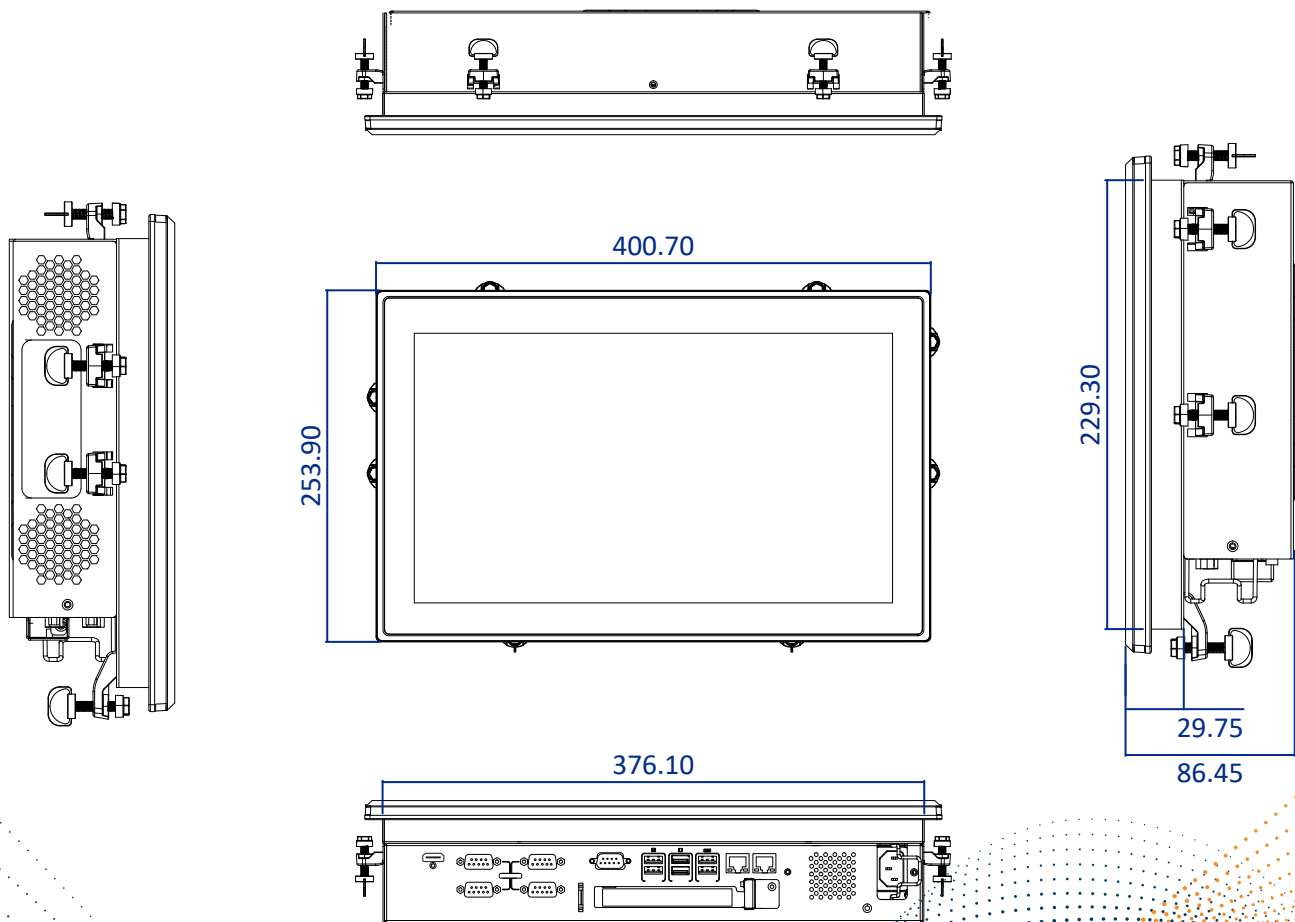
## Physical

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Mounting                   | VESA 100mm x 100mm<br>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) | 400.70 x 253.90 x 86.45                                |
| Net Weight                 | 5.640 kg                                               |

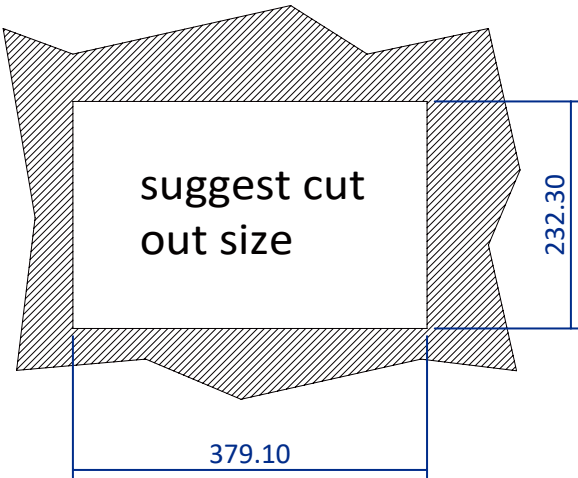
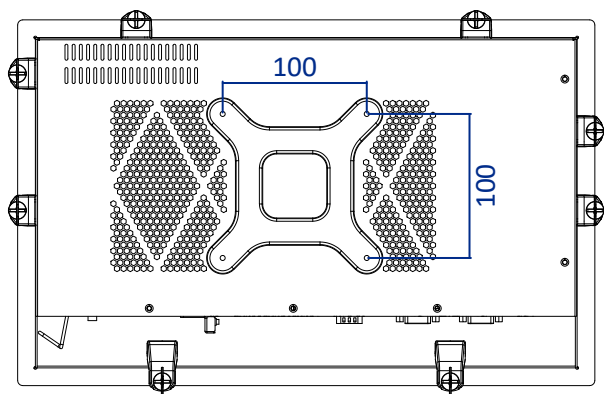
## ■ Product I/O View



## ■ Mechanical Drawings (Unit = mm)



■ Mechanical Drawings (Unit = mm)



■ Available Models

| Model Number                  | Description                                                                                                                                                                                                                                                    |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VTC-i212-156-TF-i7/<br>8G-R10 | 15.6" 450 cd/m <sup>2</sup> 1920x1080 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-i212-156-TF-i5/<br>8G-R10 | 15.6" 450 cd/m <sup>2</sup> 1920x1080 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-i212-156-TF-i3/<br>8G-R10 | 15.6" 450 cd/m <sup>2</sup> 1920x1080 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-i212-156-TF-P/<br>8G-R10  | 15.6" 450 cd/m <sup>2</sup> 1920x1080 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   |