



## Features:

- Modular & Fanless designed, aluminum-magnesium alloy;
- Intel Elkhart Lake J6412, Quad-core 2.0Ghz;
- Widescreen 21.5" TFT LCD Display, LED Backlit, FHD 1920\*1080;
- Multi up to 10 points Pcap. touchscreen, EETI controller;
- DC 9~36V input;
- I/O interfaces: 4 GbE, 2 USB3.0, 2 USB2.0, 2 COM, 1 HDMI;
- Intel PTT TPM2.0, Support Windows 11 OS;
- Panel mount, VESA 75/100 mount, Front IP66 rated protection;
- Optional 1 Mini-PCIe expansion slot.

## Specification

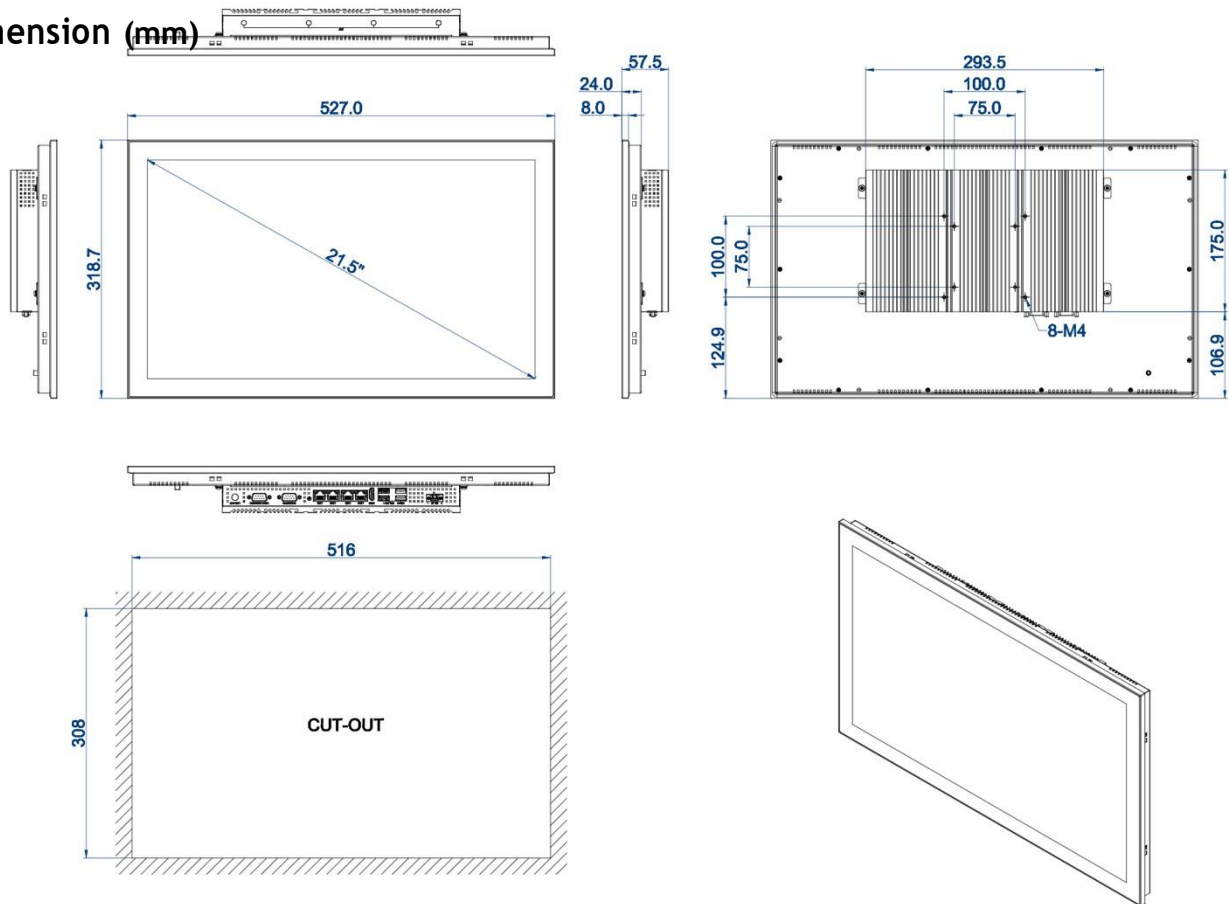


<b>Hardware &amp; System</b>	BIOS	SPI AMI EEI BIOS
	CPU	Intel Elkhart Lake J6412, Quad-core 2.0Ghz, burst to 2.5Ghz, TDP=10W
	Graphic	Intel UHD Graphics for 10 <sup>th</sup> Gen. Intel Processors
	Memory	SO-DIMM, Support DDR4 2666/2933/3200 Mhz, Max. up to 32GB
	Storage	1* M.2 2280 M-Key (SATA) SSD
	Network	4* Intel i210AT GbE network chips (Optional wireless 3G/4G/LTE/Wi-Fi/BT)
	Audio	On-board Realtek Audio controller
	Expansion	1* Mini-PCIe slot
	Watch dog	0 ~ 256 seconds programmable
	Operating System	Win10, Win11, Linux, Ubuntu
<b>I/O Interface</b>	Ethernet	4 RJ45, 10/100/1000 Mbps
	COM	COM1: RS232 by default (RS485, jumper selected); COM2: RS232
	Audio	Optional Line-out
	USB	2* USB3.0, 2* USB2.0
	Display	1* HDMI
	Power	1* 2 Pins, Phenix Terminal
<b>LCD Display</b>	Size/Type	Widescreen 21.5" TFT LCD Display
	Resolution	1920 * 1080 (Full HD)
	Brightness	250 nits
	Backlit & Lifetime	LED Backlit & 30K hours
	Display Area	476.64* 268.11 (mm)
	View Angle	89/89/89/89
<b>Touchscreen</b>	Type	Projective capacitive touchscreen
	Touch points	Multi points touch, max. up to 10 points
	Durability	>100 000 000 times
	Surface Hardness	MOHS 6H
	Touch Controller	EETI
	Special Treatment	Anti-Fingerprint (AF)
<b>Structure</b>	Structure & Surface	Magnesium-Aluminum alloy, sand blasting, anodized treated
	Cooling System	Large area finned heatsink (Fanless designed)
	Overall Dimension	527.0 * 318.7 * 57.5 (mm)
	Cut-out Dimension	516 * 308 (mm)
	Net Weight	7.0 KG
	Mount Method	Panel mount, VESA 75/100 Mount
<b>Power &amp; Environmental</b>	Operating temp.	0 ~ + 60 (°C)
	Storage temp.	-20 ~ + 60 (°C)

Humidity	10 ~ 95% @ 10C (No condensation)
Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
Shock	10G/Peak (11 ms)
Power input	DC 9~36V;
Power consumption	About 40W
Certificate	CE/FCC/ROHS

DIMENSIONAL DRAWING:TPC-DCS215E1/N1-4L

## Dimension (mm)



## Ordering information

Part no.	Description		
TPC-DCS215E1-4L	Wide 21.5" LCD, FHD 1920*1080, Intel J6412, Pcap. Touch, 4 GbE, 2 USB3.0, 2 USB2.0, 1 HDMI, 1 COM, DC 12V, PSU		
<b>TPC-DCS215E1W-4L</b>	Wide 21.5" LCD, FHD 1920*1080, Intel J6412, Pcap. Touch, 4 GbE, 2 USB3.0, 2 USB2.0, 1 HDMI, 1 COM, <b>DC 9- 36V, No PSU by default</b>		
Optional Accessories	Description	Packing List	
Memory	SO-DIMM, DDR4, <u>4GB/8GB/16GB/32GB</u>	Standard TPC-DCS215E1-4L Panel PC Product	1 set
Storage	SSD: <u>128GB/256GB/512GB/1TB/2TB</u>	PSU (Power Supply)	1 set
Wireless	Wi-Fi Module, with Antenna	Power Cable & Plug	1 set
	Wi-Fi Module with BT Integrated, With Antenna	Panel Mount Clips (Metal)	1 set (8 pieces)
	All Network 4G module, with Antenna		
SIM Card module	SIM Card slot module (optional for 4G wireless)		
Power Supply	PSU for TPC-DCS215E1W-4L (If needed)		