TPC-DCS156N1

15.6" WXGA Panel PC with Intel Aler Lake-N N97; Front IP65 rated; 2 GbE, 6 USB, 1 HDMI, 1 DP, 2 COM; Pcap. Touch; DC 12V input; 2 M.2 expansion slots.

Version: 3.2





Features:

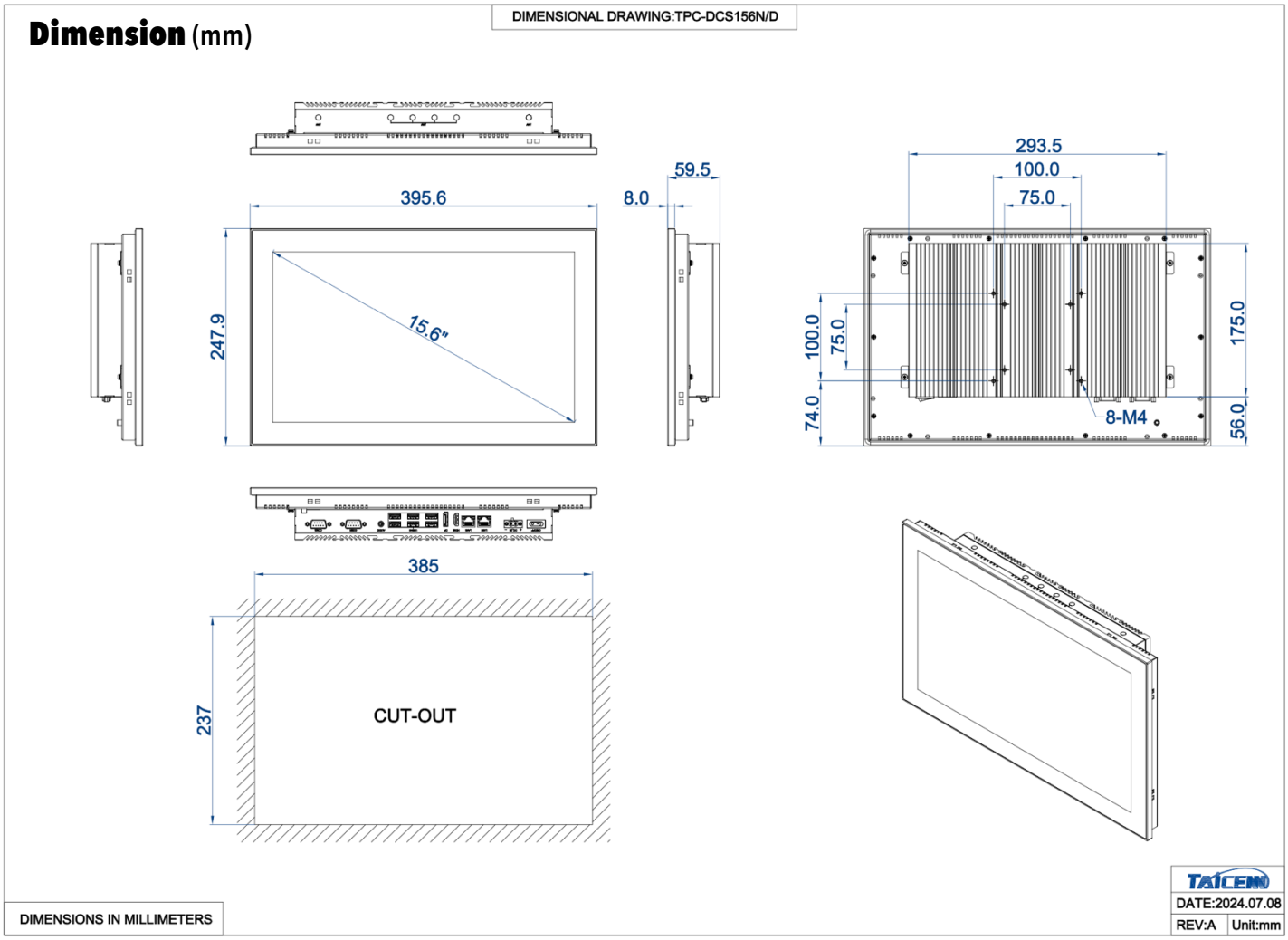
- Modular & Fanless designed, aluminum-magnesium alloy;
- Intel 12th Gen. Alder Lake-N series N97 processor, 4E-Core;
- Wide 15.6" TFT LCD Display, LED Backlit, WXGA 1366*768;
- Multi up to 10 points Pcap. touchscreen, EETI controller;
- DC 12V Power input, optional wide DC 9~36V input;
- I/O interfaces: 2 GbE, 6 USB, 2 COM, 1 HDMI, 1 DP, Audio;
- Intel PTT TPM2.0, Support Windows 11 OS;
- Panel mount, VESA 75/100 mount, Front IP65 rated protection;
- Optional 2 M.2 fast-speed expansion slots.

Specification

Hardware & System	BIOS	SPI AMI EEI BIOS
	CPU	Intel 12th Gen. Alder Lake-N series N97 processor, up to 3.6Ghz, 4E-core, TDP=12W
	Graphic	Intel UHD Graphics (up to 24EUs, 1.2Ghz)
	Memory	SO-DIMM, Support DDR4 2666/2933/3200 Mhz; Single slot, max. up to 16GB
	Storage	1* M.2 2280 M-Key (SATA) SSD; 1* 2.5" SATA SSD
	Network	1* Intel I226V, 1* Intel I210AT network chips (Optional wireless 3G/4G/LTE, Wi-Fi/BT, 5G/Wi-Fi 6)
	Audio	On-board Realtek ACL 897 Audio controller
	Expansion	1* M.2 B-Key 3042/3052 slot; 1* M.2 E-key 2230 slot
	Watch dog	0 ~ 256 seconds programmable
	Operating System	Win10/Win11 64bits; Linux, Ubuntu
I/O Interface	Ethernet	2 RJ45, 10/100/1000 Mbps
	COM	2* RS232 (DB9) by default (Optional 1* RS485)
	Audio	Mic-In/Line-out (2 in 1, 3.5mm Jack)
	USB	4* USB3.0, 2* USB2.0
	Display	1* HDMI (max. 4096*2160 @30Hz); 1* DP++ (max. 4096*2160 @60Hz)
	GPIO	Optional 8* GPIO (via 1* shared DB9)
	Power	1* 2 Pins, Phenix Terminal
LCD Display	Size/Type	Widescreen 15.6" TFT LCD Display
	Resolution	1366 * 768 (WXGA)
	Brightness	300 nits
	Backlit & Lifetime	LED Backlit & 50K hours
	Display Area	344.232* 193.536 (mm)
	View Angle	80/80/80/80
Touchscreen	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)
Structure	Structure & Surface	Magnesium-Aluminum alloy, sand blasting, anodized treated
	Cooling System	Large area finned heatsink (Fanless designed)
	Overall Dimension	395.6 * 247.9 * 59.5 (mm)
	Cut-out Dimension	385 * 237 (mm)
	Net Weight	4.3 KG
	Mount Method	Panel mount, VESA 75/100 Mount
	Operating temp.	0 ~ + 60 (°C)

Power & Environmental	Storage temp.	-20 ~ + 70 (°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 12V (Optional wide voltage DC 9~36V)
	Power consumption	About 40W
	Certificate	CE/FCC/ROHS

Dimension (mm)



Ordering information

Part no.	Description
TPC-DCS156N1	Wide 15.6" LCD, WXGA 1366*768, Intel N97 CPU, Pcap. Touch, 2 GbE, 4 USB3.0, 2 USB2.0, 1 HDMI, 1 DP, 2 COM, DC 12V, PSU
TPC-DCS156N1W	Wide 15.6" LCD, WXGA 1366*768, Intel N97 CPU, Pcap. Touch, 2 GbE, 4 USB3.0, 2 USB2.0, 2 HDMI, 1 DP, 2 COM, **DC 9~36V, No PSU by default**

Optional Accessories	Description	Packing List	
Memory	SO-DIMM, DDR4, 4GB/8GB/16GB	Standard TPC-DCS156N1 Panel PC Product	1 set
Storage	M.2 SSD: 128GB/256GB/512GB/1TB/2TB	PSU (Power Supply)	1 set
	2.5" SATA SSD/HDD:	Power Cable & Plug	1 set
Wireless	Wi-Fi Module, with Antenna	Panel Mount Clips (Metal)	1 set (8 pieces)
	Wi-Fi Module with BT Integrated, With Antenna		
	All Network 4G module, with Antenna & SIM card slot		
	5G Network module, with Antenna & SIM card slot		
Power Supply	PSU for TPC-DCS156N1W (If needed)		

The information in this specification is subject to change without notice.