TEGUAR

TP-7010-22

22" Panel Computer



Key Highlights

- 21.5" Resistive or PCAP Touchscreen options
- 12th Gen Intel Core i5 10-Core CPU
- IP66 Rated Front Bezel
- Fanless Cooling
- Dual Storage Options – 2.5" SATA and M.2 NVME 2280

VIEW ONLINE

The 22" Panel Computer presents a powerhouse solution with its 12th Gen Core i5 10-core CPU, delivering unparalleled processing ability essential for demanding manufacturing environments. Complemented by Windows 11, it ensures a modern and secure operating environment. The numerous inputs and outputs offer extensive connectivity options, catering to diverse peripheral needs seamlessly. Its fanless cooling system, coupled with an IP66 rated front bezel, ensures robust durability in challenging industrial settings. Tailored for applications requiring high processing power, this Panel Computer stands as an ideal choice for optimizing operations and enhancing efficiency on the manufacturing floor.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 12th Generation Alder Lake
Processor Model	Core i5-1245UE
Processor Speed	Up to 4.4 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD, 1x M.2 NVME SSD Slot (2242/2262/2280)
Storage Support	128GB-1TB

External I/O Ports

USB	2x USB 2.0, 2x USB 3.2, 2x USB 3.2 Type C
Serial / Com	3x COM
Serial Protocol Detail	2x RS-232/422/485, 1x RS-232
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	2x Display Port 1.4a via USB-C, 2x HDMI 2.0b
Audio Ports	2x 3.5mm Audio Line-Out/Mic-In
Power Input Port	4-Pin DC-In (Phoenix Type Terminal Block)

Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option), 1x M.2 for NVME SSD Support

Enclosure

Material	Aluminum front bezel and SECC Steel Chassis
IP Rating	IP66 Front Bezel
Color	Black
Control Buttons	Power Switch
Mounting Options	Panel Mount, VESA 75 Mount

Weight / Dimensions

Weight	9.8 kg (21.6 lbs)
Dimensions	584 x 364 x 83.6 mm (23.0 x 14.3 x 3.3 in)

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

Screen Size	21.5"
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits

Touch Screen

Touch Screen	Projected Capacitive, Resistive
Hardness	Resistive: 3H, P-cap: 7H

Power

Input Voltage Range	12-28V DC
Standard Power Adapter	External, 100 watts, universal 100 ~240V AC in, 19V DC out, 5.26A (PSU with PSE)

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 Pro
Linux	Linux

Compatibility

Security Hardware	TPM 2.0

Thermal & Environmental

Operating Temperature	0°C - 40°C (32°F – 104°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless
Humidity Range	10% – 90% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Optional WiFi 6 (AX)
Bluetooth	Optional Bluetooth 5.3
Sim Card	1x SIM Card Slot

Certification

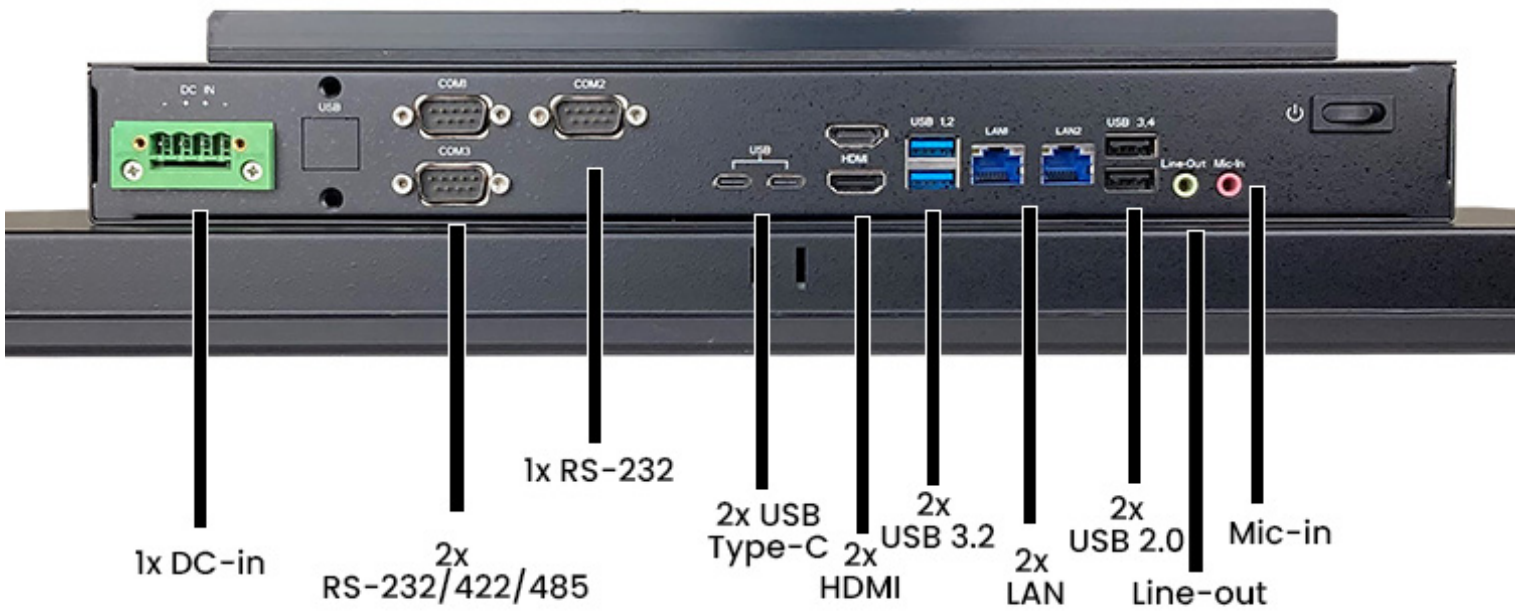
Certifications	CE, FCC, VCCI Class B

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I/O Diagram Images

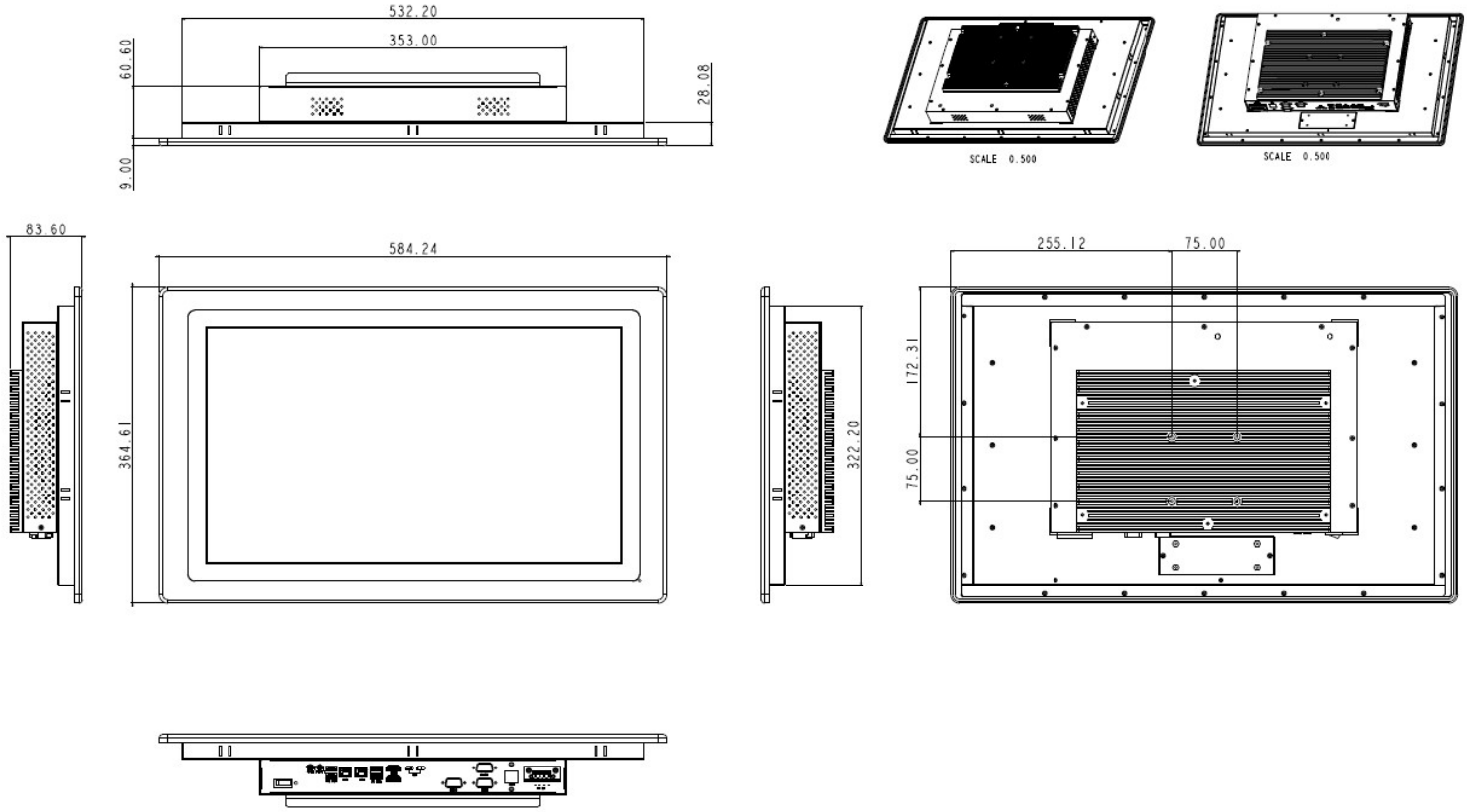


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Tech Diagram Images



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