TEGUAR

TP-7010-15

15" Panel Computer



Key Highlights

- 15" 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 15" Panel Computer offers a versatile touchscreen experience with options for resistive or PCAP technology, so you can tailor to your application's preference. Powered by a 12th Gen Core i5 10-core CPU, this unit delivers robust processing power essential for manufacturing environments demanding high performance. Abundant inputs and outputs facilitate seamless connectivity with peripherals, ensuring that you can effortlessly connect all necessary devices and components. Its fanless cooling system, coupled with an IP66 rated front bezel, ensures durability and reliability in harsh industrial conditions. Running on Windows 11, this computer provides a modern and secure operating environment, making it an ideal solution for critical manufacturing applications.

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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
Storage Support	128GB-1TB

Power

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

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

Display

Screen Resolution	1024 x 768 (XGA)
Screen Ratio	4:3
Brightness	350 nits

Touch Screen

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

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	7 kg (15.4 lbs)
Dimensions	398 x 330 x 86.1 mm (15.7 x 13.0 x 3.4 in)

Warranty

Warranty	Up to 5 Years

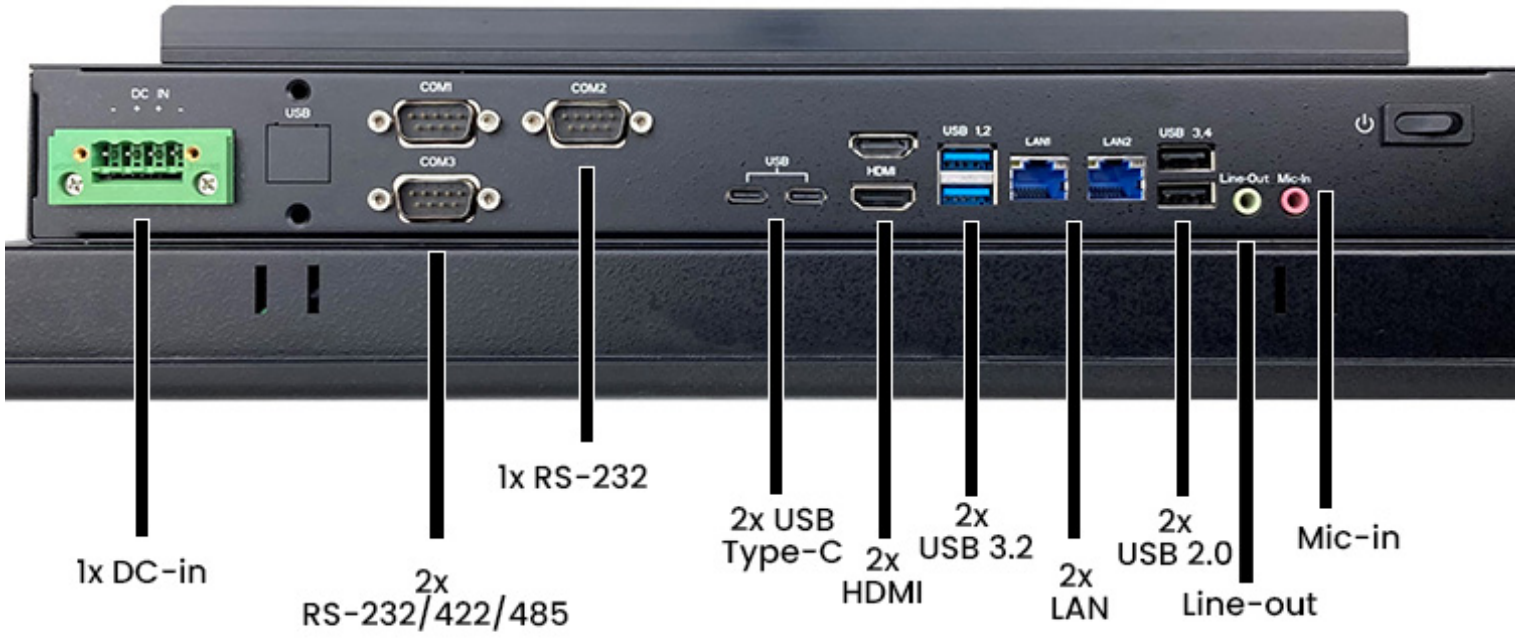
Specifications subject to change.

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I/O Diagram Images

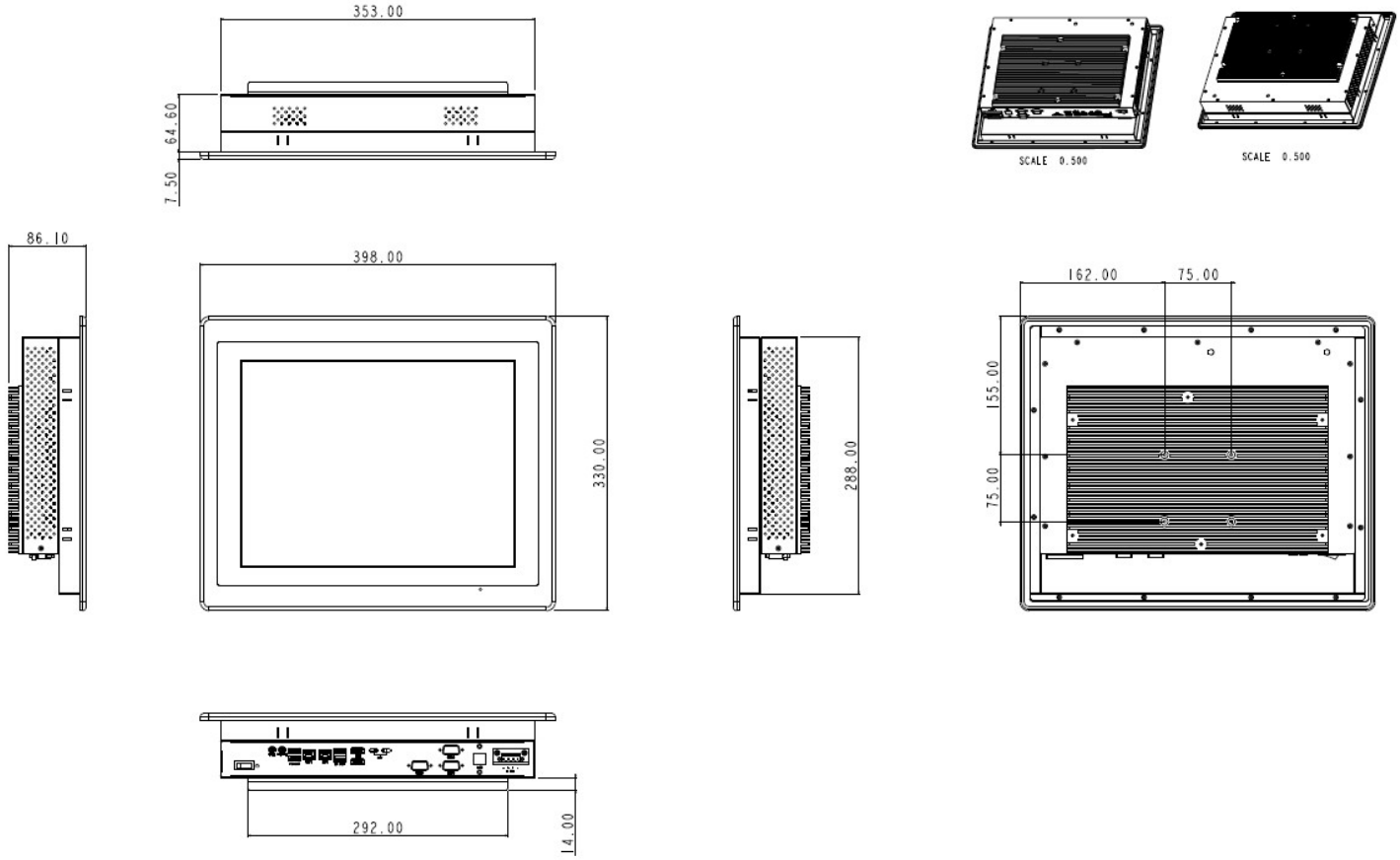


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Tech Diagram Images



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