TEGUAR

TS-7010-22

21.5" Stainless Steel Computer | Trident



Key Highlights

- 21.5" LCD Touchscreen Display
- Intel 12th Generation i5 Processor 9300 Passmark score
- Windows 11
- i7 CPU Upgrade Option
- IP69K Waterproof M12 Connectors

VIEW ONLINE

The 22" Stainless Steel Computer is a technological powerhouse tailored for demanding environments. Boasting an Intel 12th Generation CPU and running on Windows 11, it guarantees strong performance and a contemporary user interface. Featuring a USB-C connector, this series enhances connectivity, ensuring faster data transfer. The stainless steel housing helps this unit thrive in harsh conditions, making it an optimal choice for food processing and pharmaceutical clean rooms. With a robust flat WiFi antenna, it ensures uninterrupted connectivity. For those seeking a durable, efficient, and high-performance computing solution, the 22" Stainless Steel Computer stands as a testament to industrial computing excellence. **Looking for a lower cost IP65 or IP66 panel PC? We recommend Pinnacle, our lightweight, high-powered non-stainless steel flush mountable computer. View All Panel PCs with Waterproof Front Bezels.**

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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 2280 NVME SSD slot
Storage Support	128GB-2TB

External I/O Ports

USB	2x M12 8Pin for USB 1/2 and USB 3/4
Serial / Com	2x M12 8-pin for COM
Serial Protocol Detail	RS-232/422/485
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN
Video Outputs	Optional Display Port 1.4 through USB-C
Other Ports	Optional 1X USB-C 3.2 through M20 connector on bottom Bezel
Power Input Port	M12 type 5-PIN DC-in

Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F – 122°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 Wi-Fi 6 802.11 AX Dual Band, with Robust Flat Antennas
Bluetooth	Optional Bluetooth 5.3
Sim Card	1x SIM Card Slot
Barcode Scanner	Optional 1D/2D Barcode Scanner
RFID	Optional RFID Reader

Warranty

Warranty	Up to 5 Years

Display

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

Touch Screen

Touch Screen	5 Wire Resistive, Projected Capacitive (Multi-touch)
Hardness	Resistive: 3H, P-cap: 7H

Power

Input Voltage Range	12-28V DC
Standard Power Adapter	AC 100 ~ 277V / DC output 24V, 5A, 120W, IP68

Operating Systems

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

Compatibility

Security Hardware	fTPM 2.0

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	SUS304 Stainless Steel
IP Rating	IP66, IP69K, NEMA 4X
Color	Stainless Steel
Control Buttons	Brightness Down, Brightness Up, Power Button
Mounting Options	Floor Stand, Swing Arm, Table Mount, VESA 100 Mount, Wall Mount

Weight / Dimensions

Weight	12 kg (26.5 lbs)
Dimensions	557 x 348.5 x 58.5 mm (21.9 x 13.7 x 2.3 in)

Certification

Certifications	CE, FCC

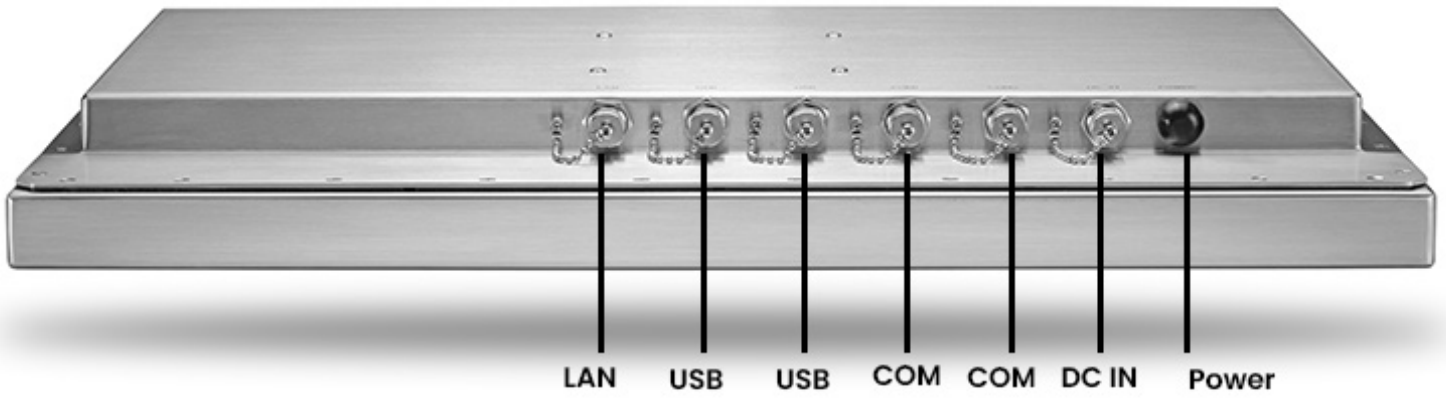
Specifications subject to change.

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I/O Diagram Images

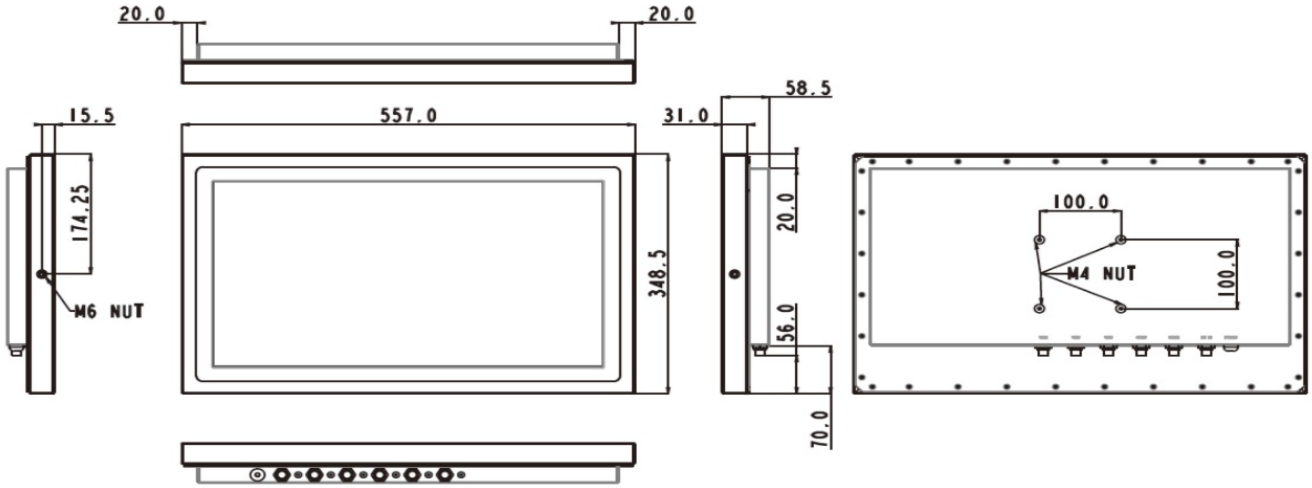


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Tech Diagram Images



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