TEGUAR

TSC-7010-24

24" IP69K Computer | Trident

Key Highlights

- 24" Touch Screens
- 12th Gen Intel Core i5 10-Core CPU
- Cable Gland for Sealed I/O Connections
- IP66, IP69K Waterproof Rating
- Windows 11 Compatible
- Dual 2.5 GbE LAN

VIEW ONLINE

The TSC-7010-24 boasts a large, intuitive 24" touchscreen interface ideal for sectors like food and beverage manufacturing, pharmaceutical production, and cleanroom applications. Driven by a powerful 12th Gen Intel Core i5 10-Core CPU and featuring Windows 11, it delivers seamless performance and user-friendly operation. With IP66 and IP69K certifications, it guarantees resilience against dust, water, and high-pressure cleaning, ensuring uninterrupted functionality in challenging environments. Its sealed IO design for standard cables enhances durability, while dual 2.5 GbE LAN ports facilitate swift data transfer, making it a versatile and reliable solution for demanding industrial needs.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 12th Generation Alder Lake
Processor Model	Core i5-1245UE
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	32GB-1TB

External I/O Ports

USB	2x USB 2.0, 2x USB 3.2, 2x USB 3.2 Type C
Serial / Com	2x COM
Serial Protocol Detail	2x RS-232/422/485
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

Compatibility

Security Hardware	TPM 2.0

Multimedia

Speakers	Optional Speaker

Enclosure

Material	Stainless Steel
IP Rating	IP66, IP69K
Color	Stainless Steel
Control Buttons	Brightness Down, Brightness Up, Power Button
Mounting Options	Swing Arm, Table Mount, VESA 100 Mount, Wall Mount

Weight / Dimensions

Weight	14.8 kg (32.6 lbs)
Dimensions	627 x 396 x 105 mm (24.7 x 15.6 x 4.1 in)

Certification

Certifications	CE, FCC, VCCI Class B

Display

Screen Size	23.8"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits

Touch Screen

Touch Screen	Resistive
Hardness	7H

Power

Input Voltage Range	12-28V DC
Standard Power Adapter	AC 100 ~ 277V / 47 ~ 63 Hz / DC output 24V, 5A, 120W, IP68

Operating Systems

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

Expansion Slots

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

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
Storage Humidity	10% – 90% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Optional WiFi + Bluetooth Flat Antenna Kit
Sim Card	1x Nano SIM Card Slot
Barcode Scanner	Optional 1D/2D Barcode Scanner
RFID	Optional RFID (Cannot coexist with barcode scanner)

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

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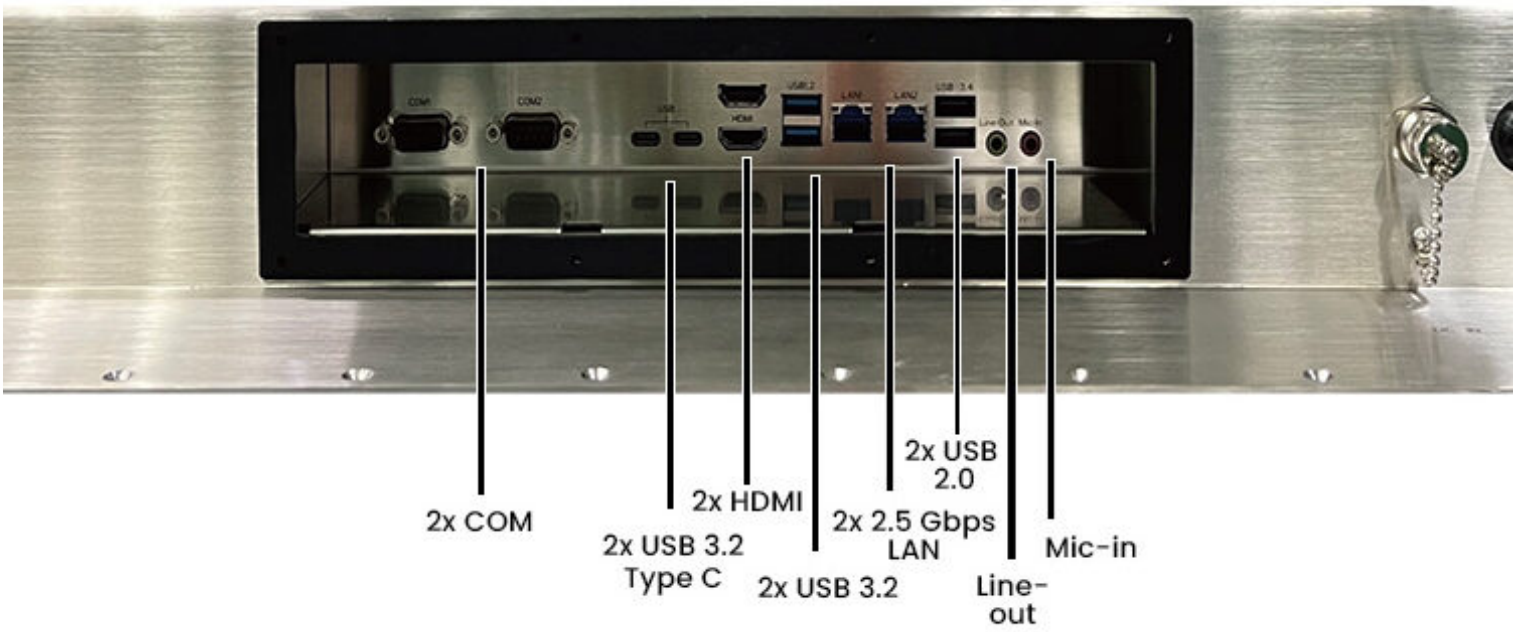
I/O Diagram Images



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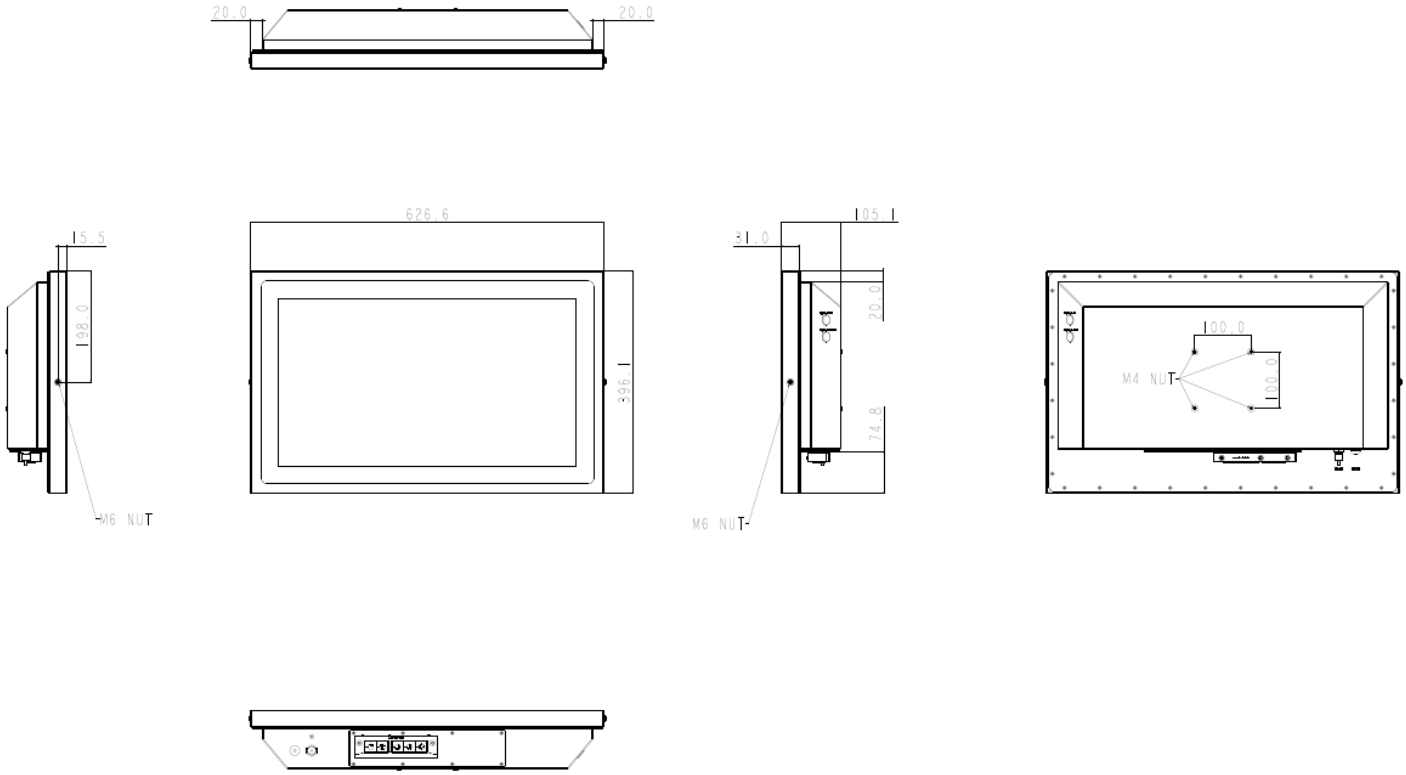
Tech Diagram Images



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