TEGUAR

TP-5645-22

22" Panel Mount Computer



Key Highlights

- 21.5" P-Cap or Resistive Touchscreen
- Fanless Cooling System
- Easily accessible M.2 storage, up to 1TB
- IP66 Protected Front with Aluminum Housing
- Wide Range 9~36VDC Power Input
- Intel 8th Gen. Core i3/i5 CPUIP66 Protected Front with Aluminum Housing

VIEW ONLINE

The TP-5645-22 Panel Mount Computer offers strong processing power with an Intel 8th generation Core i3 or i5 CPU with long life cycle support. With up to 16GB of DDR4 memory and an M.2 key capable of up to 512GB of SSD storage, the TP-5645-22 Panel Mount Computer is a great solution for most Linux or Windows based applications. The unique compact thermal design includes a rugged die cast aluminum enclosure for fanless operation and durability in high shock and vibration settings. The front bezel is IP66 rated for protection from water and dust and uses a full flat design to prevent build-up of particulates. A high-brightness touchscreen option can be chosen for environments with low screen visibility. This panel PC is great solution for applications such as a data hub for your IoT / IIoT sensors and to run your ERP (Enterprise Resource Planning) software.

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Technical Specifications

Primary Components

Processor Family	Intel Celeron or Core i 8th Generation Whiskey Lake
Processor Model	Core i3 8145UE, Core i5-8365UE
Processor Speed	2.2 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage Type	1x M.2 M Key, PCIe or SATA, 2242 NVME support
Storage Support	M.2: 128GB-1TB

Power

Input Voltage Range	9-36V DC
Max Power Consumption	74W

Operating Systems

Windows	Windows 10 IoT, Windows 11 IoT, Windows 11 Pro
Linux	Linux Ubuntu 20.04 or above (Contact your sales rep for more information), Yocto Linux

Compatibility

Security Hardware	TPM 2.0

Enclosure

Material	Aluminum
IP Rating	IP66 Front Bezel
Color	Gray
Mounting Options	Panel Mount, VESA Mount

Certification

Certifications	CE, FCC Class A, UL 62368

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

Screen Size	21.5"
Screen Ratio	16:9
Brightness	250 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive, Resistive

External I/O Ports

USB	4x USB 3.0
Serial / Com	1x COM
Serial Protocol Detail	Included Y-Cable provides two DB-9 Com ports: 1x 5-pin RS-232 (COM1) and 1x Configurable 3-Pin RS-232/422/485 (COM2)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x DisplayPort
Other Ports	1x 2-Pin DC Power Switch Connector
Audio Ports	1x Audio Line-Out
Power Input Port	2-Pin Power Switch

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 with Heatsink
Humidity Range	10% – 90% Non-condensing

Weight / Dimensions

Weight	7.5 kg (16.5 lbs)
Dimensions	557.3 x 362.3 x 64.8 mm (21.9 x 14.3 x 2.6 in)

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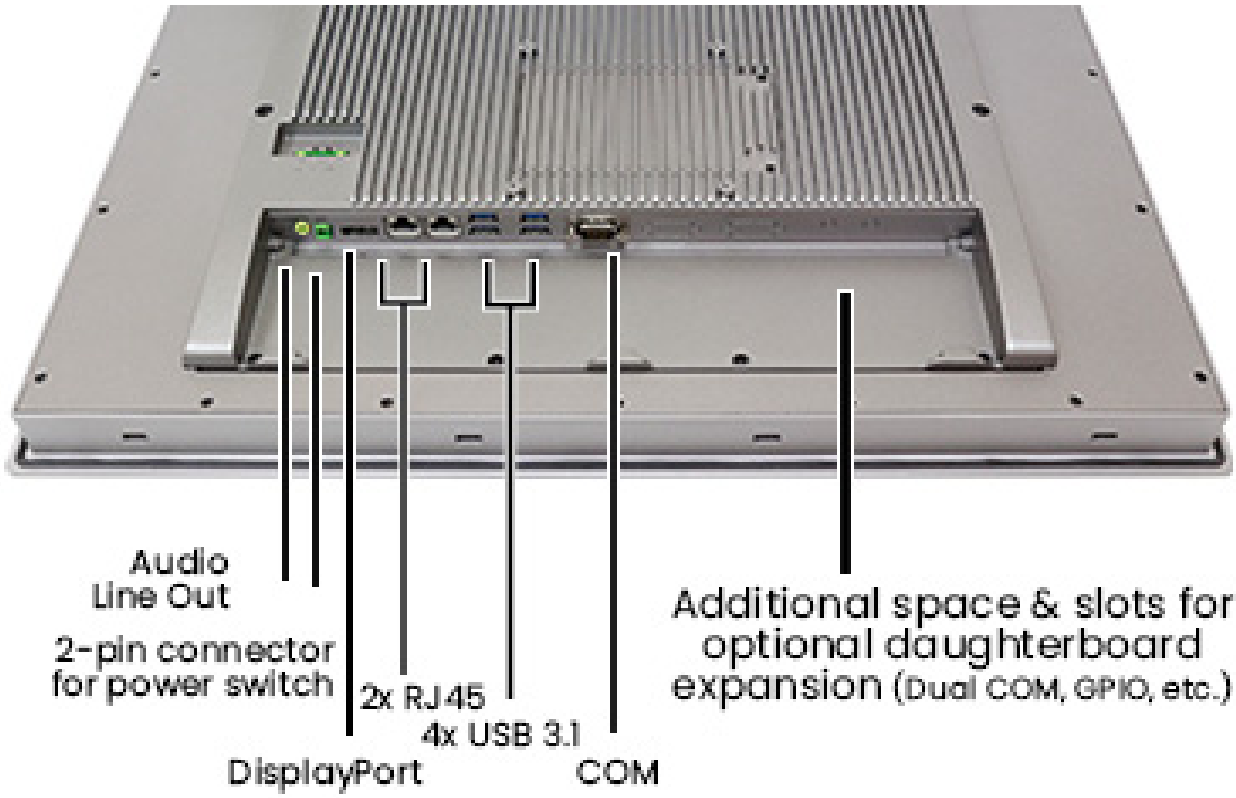
I/O Diagram Images



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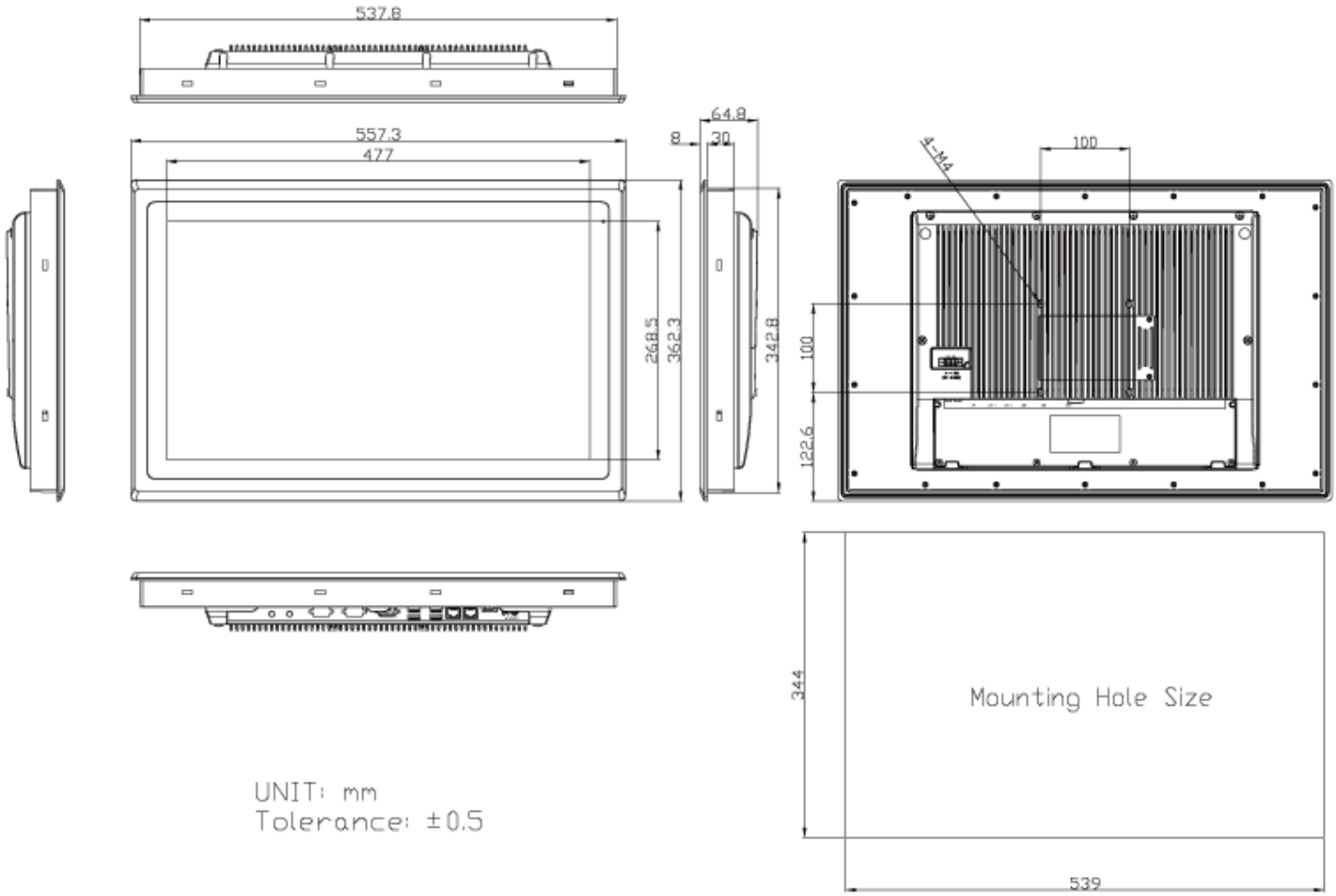
Tech Diagram Images



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