TEGUAR

TP-4810-22

22" Fanless Panel PC



Key Highlights

- 22" Resistive or P-Capacitive Touchscreen Display
- Multiple Inputs and Outputs including 4x USB, 1 Gb LAN, 2.5 Gb LAN, 3x COM and more
- Fanless Cooling System
- Windows 11 Capabilities
- Intel Celeron J6412 Processor

VIEW ONLINE

The 22" Fanless Panel PC is a large panel mount computer ideal for industrial settings. It runs on an Intel Celeron J6412 processor and has the capability to operate Windows 11. The front bezel is IP66 waterproof rated and can come in either a resistive or P-capacitive touchscreen. Even with its large size, it comes with panel mount hardware and can be easily installed for your application. This unit is packed with abundant inputs and outputs, including 3x COM, 2x USB 2.0, 2x USB 3.2, 1x Gigabit LAN, 1x 2.5 Gigabit LAN, and more.

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412
Processor Speed	2.0 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	32GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD (Internal, not with removable drive in use), 1x M.2 SATA3 2280 Slot
Storage Support	M.2: 128GB-1TB

External I/O Ports

USB	2x USB 2.0, 2x USB 3.2
Serial / Com	3x COM
Serial Protocol Detail	1x RS-232, 2x RS-232/422/485
Ethernet / LAN	1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN
Video Outputs	1x HDMI, 1x VGA
Audio Ports	2x 3.5mm Audio Line-Out/Mic-In
Power Input Port	4-Pole DIN (latching)

Expansion Slots

Internal M.2	1x M.2 Type B, 1x M.2 Type E
Other	1x SIM socket connected to M.2 B-Key

Enclosure

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

Certification

Certifications	CE, FCC

Warranty

Warranty	1 Year

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 (Multi-touch), Resistive
Hardness	Resistive: 3H, P-cap: 7H

Power

Input Voltage Range	12-28V DC
Max Power Consumption	64.7W
Standard Power Adapter	60 watts, 100 ~240V AC in, 19V DC out

Operating Systems

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

Compatibility

Security Hardware	Optional TPM 2.0

Thermal & Environmental

Operating Temperature	0°C - 45°C (32°F – 113°F)
Storage Temperature	-20°C - 65°C (-4°F – 149°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 90% Non-condensing
Storage Humidity	10% – 90% Non-condensing

Peripherals & Wireless Connectivity

Sim Card	1x SIM Card Slot

Weight / Dimensions

Weight	9.6 kg (21.2 lbs)
Dimensions	584.5 x 364.2 x 77.5 mm (23.0 x 14.3 x 3.1 in)

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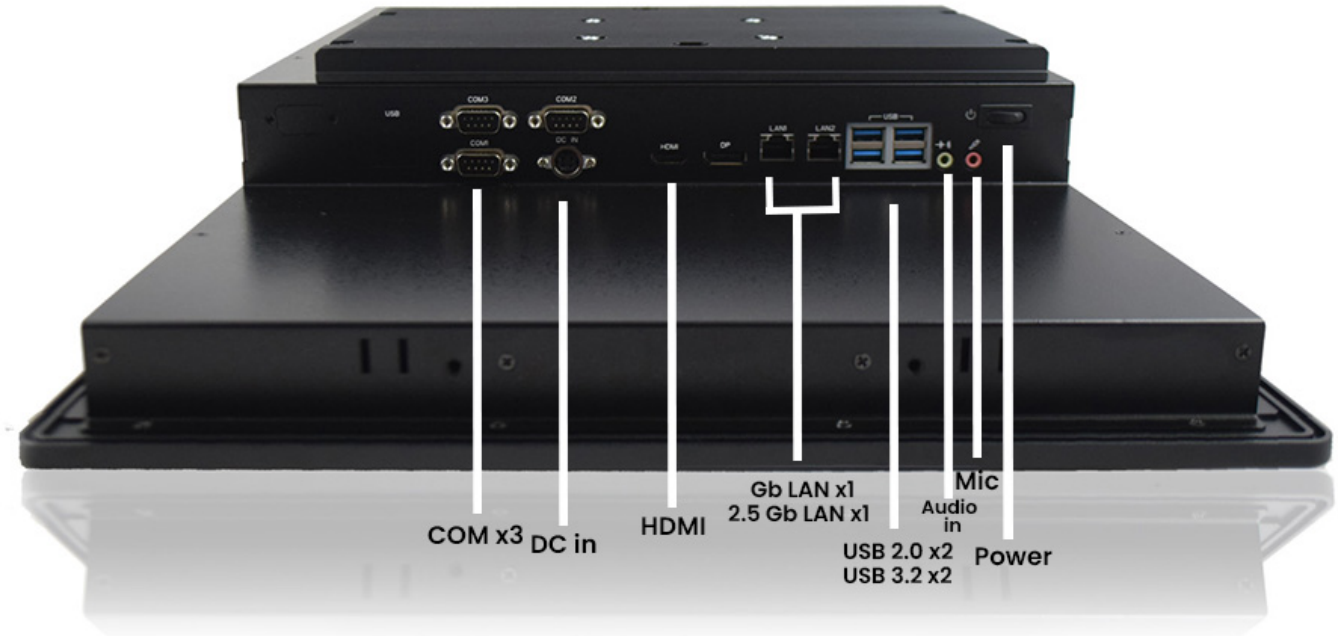
I/O Diagram Images



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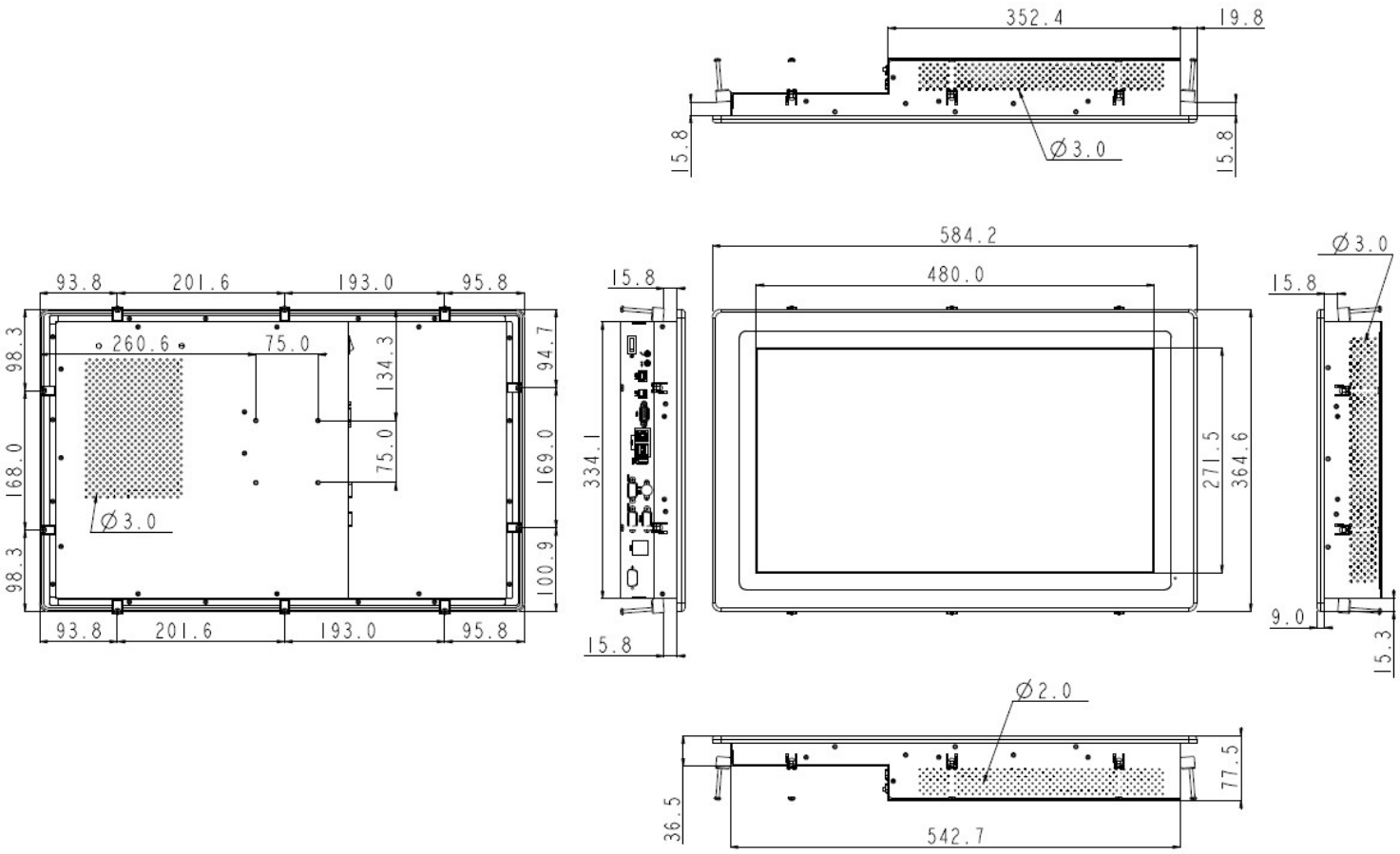
Tech Diagram Images



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