TEGUAR

TP-4845-24

24" Panel PC



Key Highlights

- 23.8" PCAP Touchscreen
- Die Cast Aluminum Housing and IP66 Rated Front Bezel
- Designed for flexible IO expansion
- Windows 11 Capabilities
- Intel Celeron J6412 Quad Core Processor

VIEW ONLINE

The 24" Panel PC epitomizes high performance and reliability. Featuring a die-cast aluminum housing and IP66-rated front bezel, it offers robust protection for industrial environments. The unit's Intel J6412 Quad Core processor guarantees seamless operation on Windows 11. The TP-4845-24 provides versatile I/O options, enhancing its adaptability. The integrated WIFi 6 helps effortlessly meet industrial connectivity requirements.The 24" TP-4845-22 Panel PC is an ideal solution for applications requiring rugged and dependable computing.

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412
Processor Speed	2.0 GHz, Up to 2.6 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage Type	1x M.2 SATA3 2242 Slot
Storage Support	M.2: 256GB-1TB

Power

Input Voltage Range	9-36V DC
Standard Power Adapter	12Vdc 5Amp, 60W US AC Power Cord

Battery

Battery Type	Optional Internal Battery

Operating Systems

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

Compatibility

Security Hardware	TPM 2.0

Multimedia

Speakers	1x 2W Speaker

Enclosure

Material	Aluminum
IP Rating	IP66 Front Bezel
Color	Gray
Mounting Options	Panel Mount, VESA 100 Mount

Weight / Dimensions

Weight	14.8 kg (32.6 lbs)
Dimensions	640 x 65.1 x 395 mm (25.2 x 2.6 x 15.6 in)

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

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

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)

External I/O Ports

USB	2x USB 2.0, 2x USB 3.2
Serial / Com	1x COM
Serial Protocol Detail	RS-232 Default/RS-422/RS-485
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x DisplayPort
Audio Ports	1x 3.5mm Audio Line-Out
Power Input Port	DC-in Jack (Phoenix Type)

Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option)
SD card	1x Micro SD Slot

Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F – 122°F)
Storage Temperature	-30°C - 70°C (-22°F – 158°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 95% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Optional WiFi 5 or 6
Bluetooth	Optional Bluetooth 4.0, Optional Bluetooth 5.3

Certification

Certifications	CE, FCC, UL 62368

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I/O Diagram Images



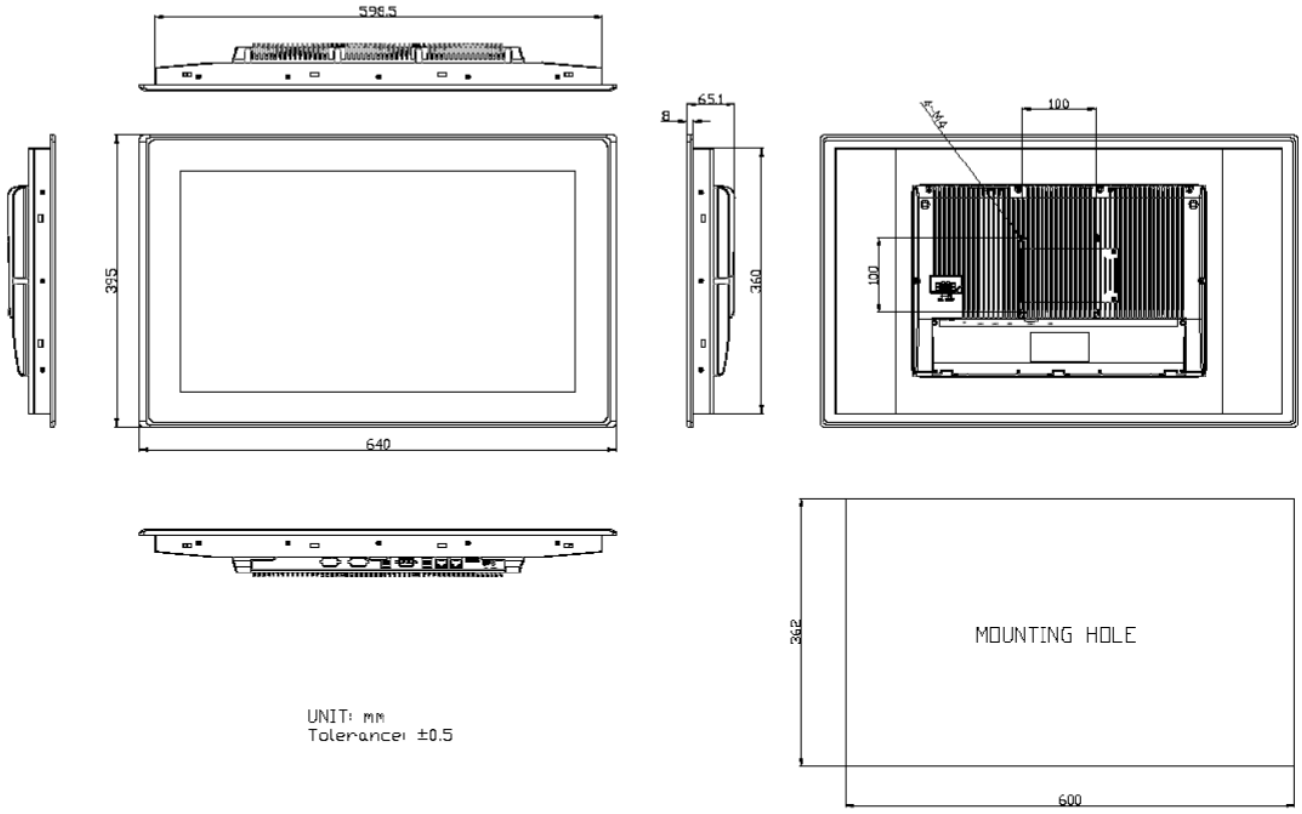
- A DC In
- B Audio Line Out
- C Remote Power Switch
- D Display Port
- E LAN (x2)
- F USB 3.2 (x2)
- G COM
- H USB 2.0 (x2)

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Tech Diagram Images



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