

# 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

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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" Panel PC 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
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## Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 Pro
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## 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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Specifications subject to change.

## Display

Screen Size	23.8"
Screen Ratio	16:9
Brightness	250 nits

## Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
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## 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)

## Compatibility

Security Hardware	TPM 2.0
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## Multimedia

Speakers	1x 2W Speaker
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## 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
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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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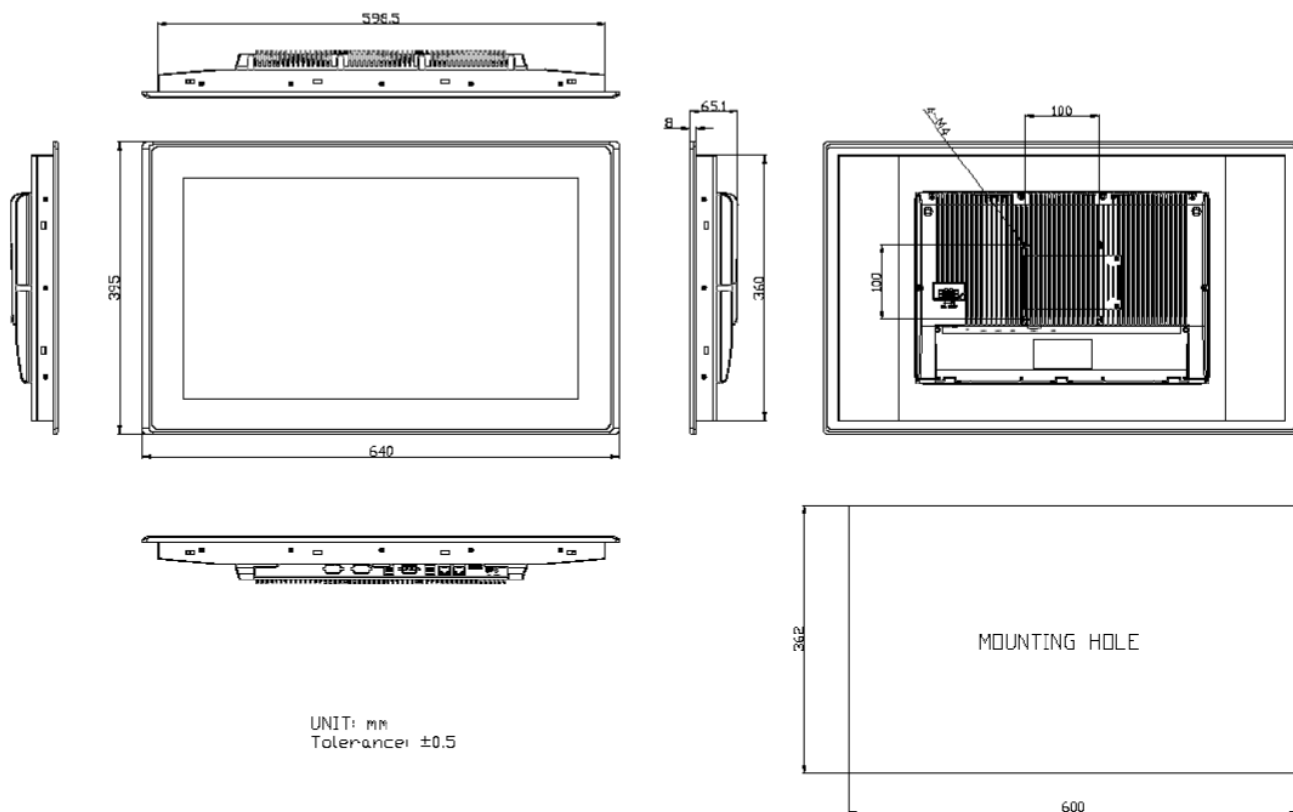
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# Tech Diagram Images



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