

# TP-4845-12

12" Panel PC



## Key Highlights

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

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Powered by the Intel J6412 Quad Core processor, the 12" [Panel PC](#) is ideal for most industrial environments. Windows 11 support allows users to enjoy the most updated features, and WiFi 6 ensures connectivity in the most demanding application. The unit's die-cast aluminum housing and IP66 rated front bezel guarantee steadfast protection against harsh industrial conditions. The TP-4845-12 offers a range of I/O options, enabling a customized solution that adapts perfectly to specific project requirements.

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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	Optional 12V AC/DC Adapter, 5A, 60W

## 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)
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## Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F - 122°F), -20°C - 60°C (Optional -4°F - 140°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
Bluetooth	Optional Bluetooth 4.0

## Certification

Certifications	CE, FCC, UL 62368
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*Specifications subject to change.*

## Display

Screen Size	12.1"
Screen Resolution	1024 x 768 (XGA)
Screen Ratio	4:3
Brightness	500 nits, Optional 1000 nit High Brightness

## Touch Screen

Touch Screen	Projected Capacitive, Resistive
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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-232/422/485 (Default RS-232; select via BIOS)
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x DisplayPort, supports DP++
Audio Ports	1x Audio Line-Out
Power Input Port	2-Pin Power Switch, 3-Pin DC-In (Phoenix Type), Optional POE++, 45W with 2x USB 2.0

## Multimedia

Speakers	Optional 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	2.8 kg (6.2 lbs)
Dimensions	319 x 245 x 51.7 mm (12.6 x 9.6 x 2.0 in)

## Warranty

Warranty	Up to 5 Years
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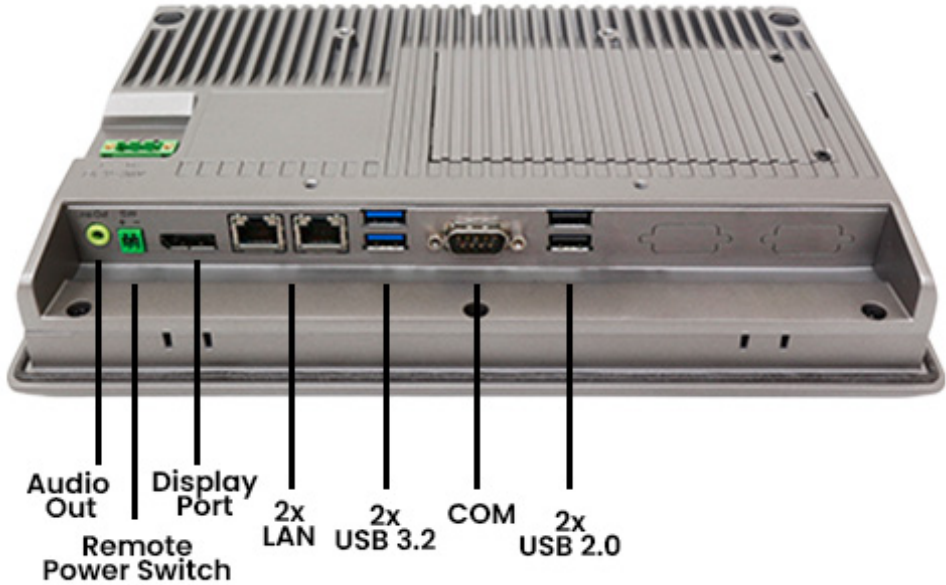
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# I/O Diagram Images



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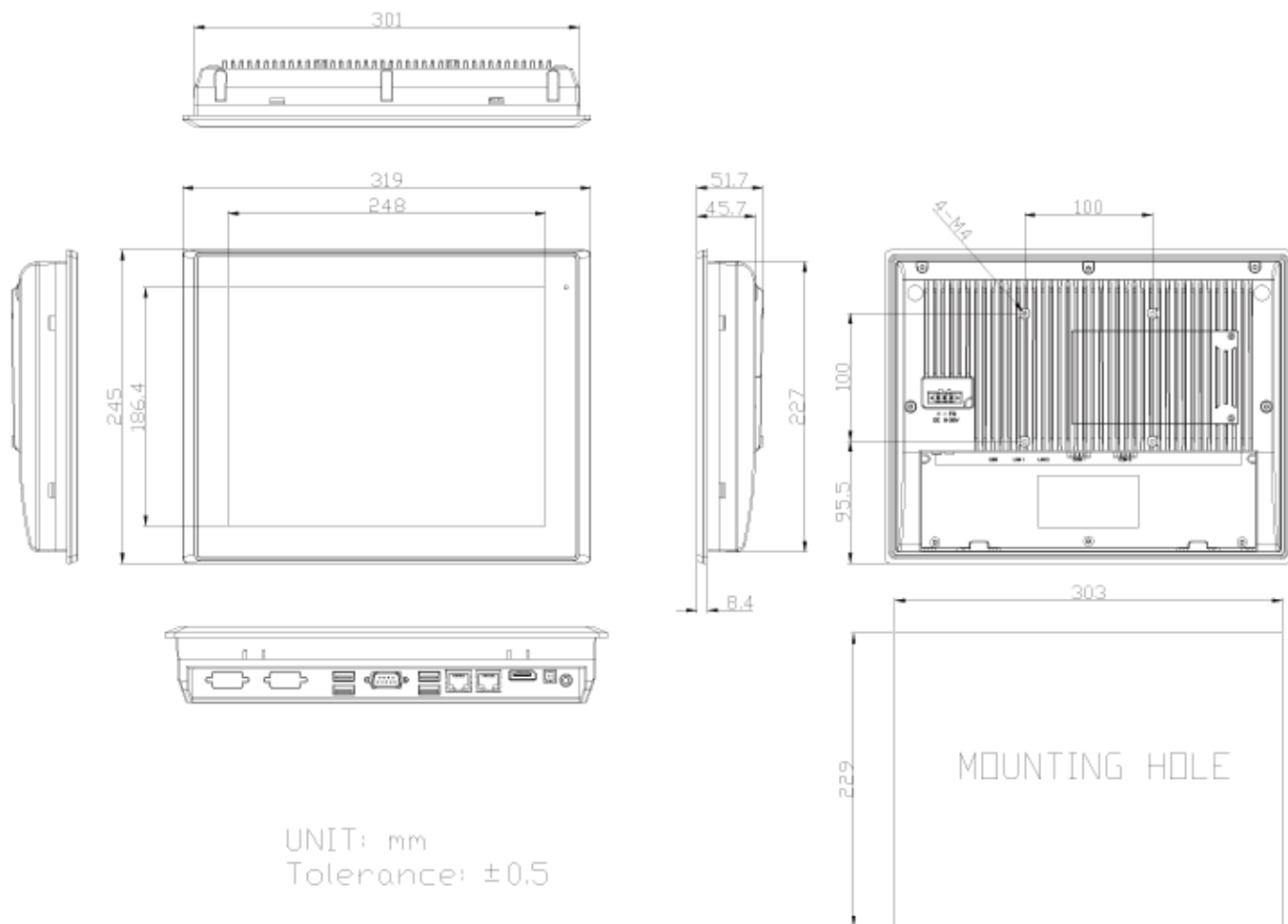
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# Tech Diagram Images



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