TEGUAR

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

VIEW ONLINE

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

Operating Systems

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

Multimedia

Speakers	Optional Speaker

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

Specifications subject to change.

Display

Screen Size	12.1"
Screen Ratio	4:3
Brightness	500 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive, Resistive

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

Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option)

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

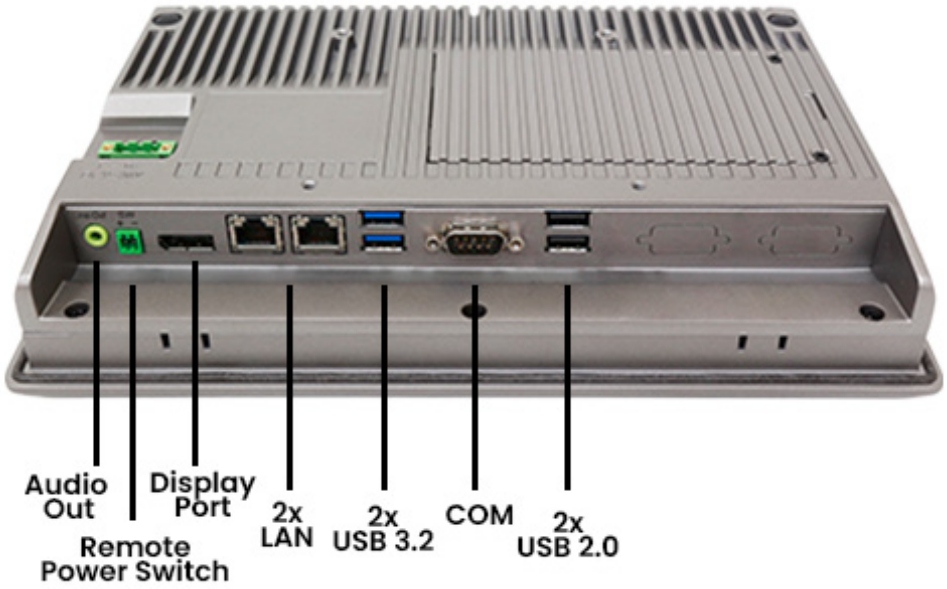
Certifications	CE, FCC, UL 62368

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I/O Diagram Images

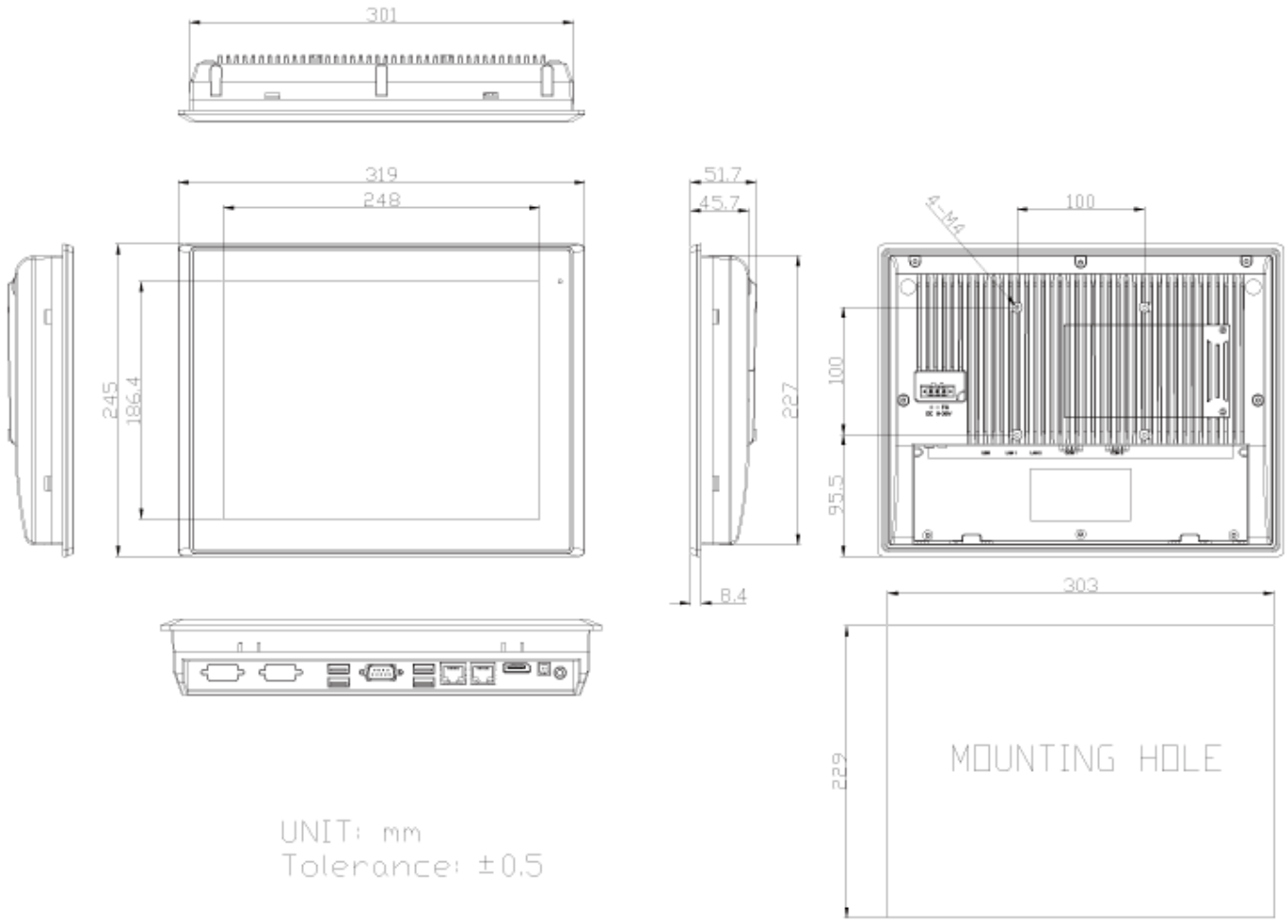


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Tech Diagram Images



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