

TP-4845-12W

12" Widescreen Panel PC



Key Highlights

- 12.1" Wide 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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The 12" Widescreen [Panel PC](#) redefines rugged computing with its widescreen design. The Intel J6412 Quad Core processor powers seamless Windows 11 operation. Integrated WiFi 6 thrives in demanding industrial environments. Its die-cast aluminum housing and IP66 rated front bezel provide unwavering reliability. With selectable I/O options, including an extra LAN port and Mini-PCIe slot, this 12.1" widescreen Panel PC offers tailor-made connectivity solutions.

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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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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	3.1 kg (6.8 lbs)
Dimensions	328 x 57.6 x 227 mm (12.9 x 2.3 x 8.9 in)

Specifications subject to change.

Display

Screen Size	12.1"
Screen Ratio	16:10
Brightness	600 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	3-Pin DC-In (Phoenix Type)

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

Warranty

Warranty	Up to 5 Years
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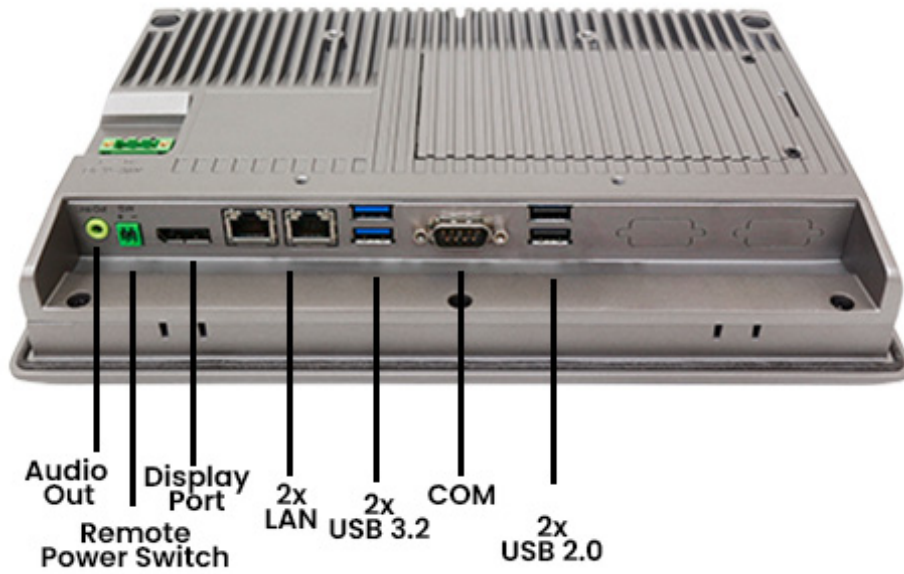
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I/O Diagram Images



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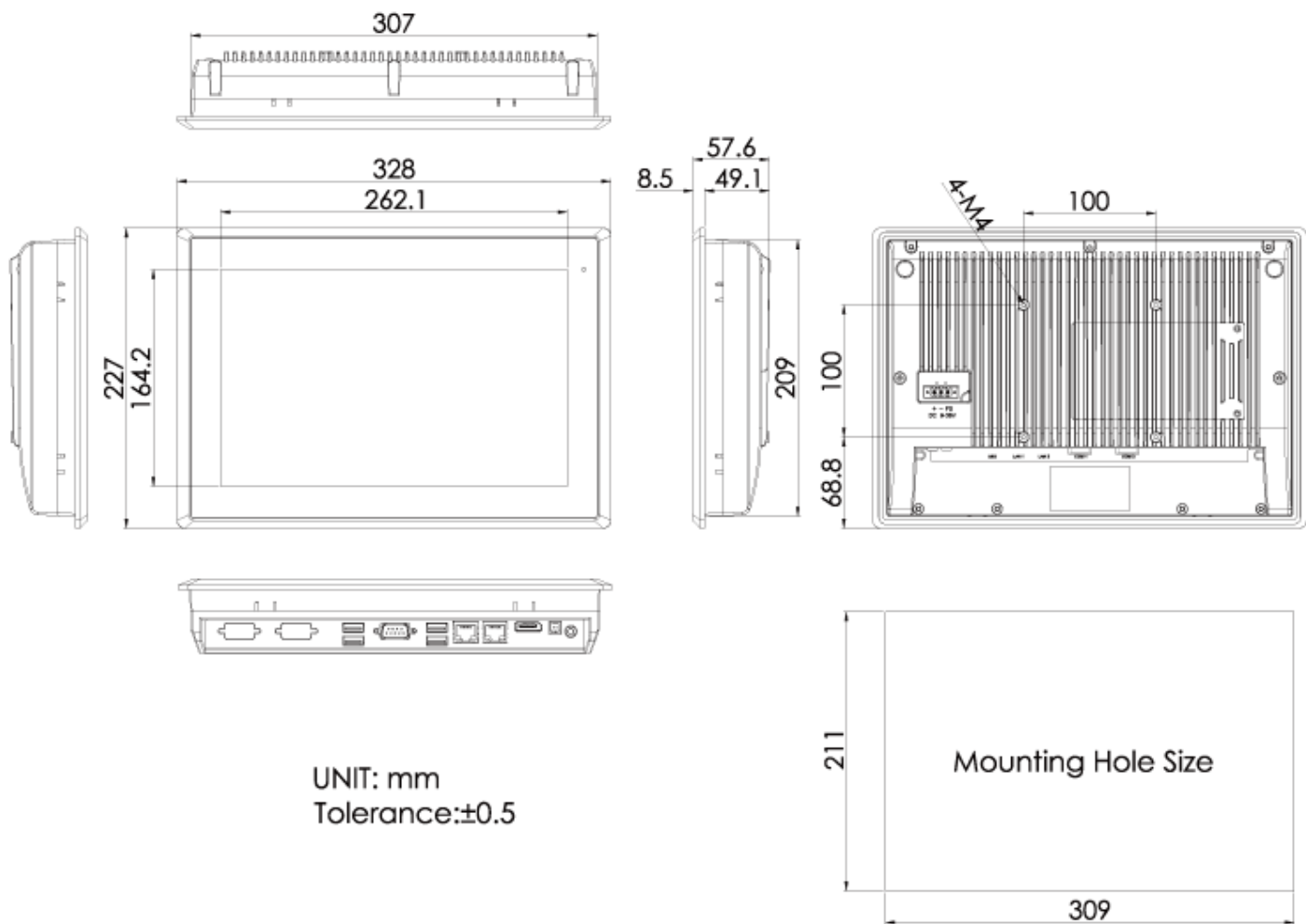
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Tech Diagram Images



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