TEGUAR

TP-4845-18

18" Panel PC



Key Highlights

- 18.5" Resistive or 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

With the 18" Panel PC robustness meets adaptability. The Intel J6412 Quad Core processor ensures smooth Windows 11 operation. Integrated WiFi 6 thrives in demanding industrial settings. Its die-cast aluminum housing and IP66 rated front bezel offer steadfast protection. The 18" touchscreen is available in both resistive and PCAP options. The TP-4845-18 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

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

Specifications subject to change.

Display

Screen Size	18.5"
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	350 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	3-Pin DC-In (Phoenix Type)

Multimedia

Speakers	Optional Speaker

Enclosure

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

Weight / Dimensions

Weight	6.6 kg (14.6 lbs)
Dimensions	500 x 60 x 315 mm (19.7 x 2.4 x 12.4 in)

Warranty

Warranty	Up to 5 Years

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I/O Diagram Images



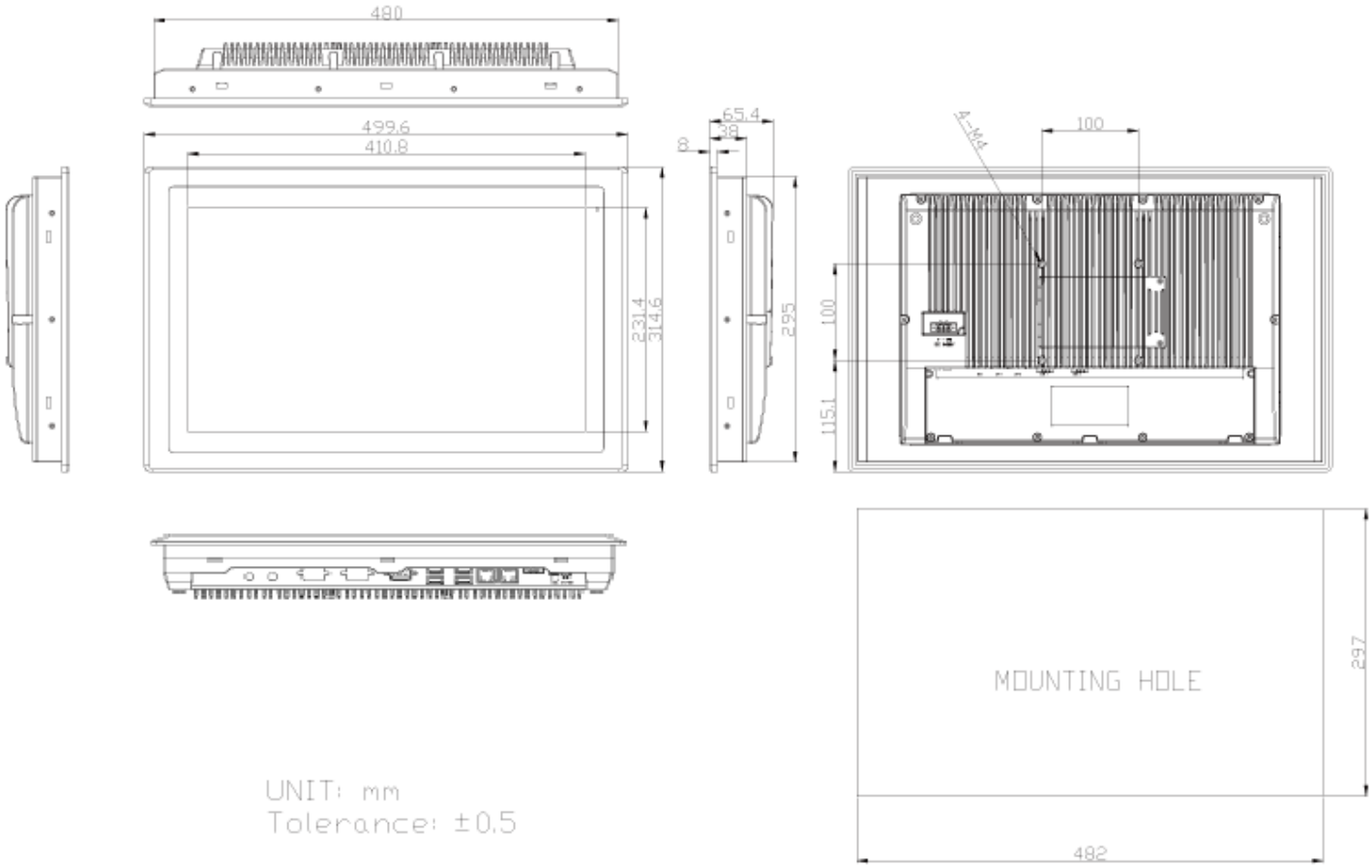
- A DC In
- B Audio Line Out
- C Remote Power Switch
- D Display Port
- E LAN (x2)
- F USB 3.2 (x2)
- G COM
- H USB 2.0 (x2)

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Tech Diagram Images



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