

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

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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
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

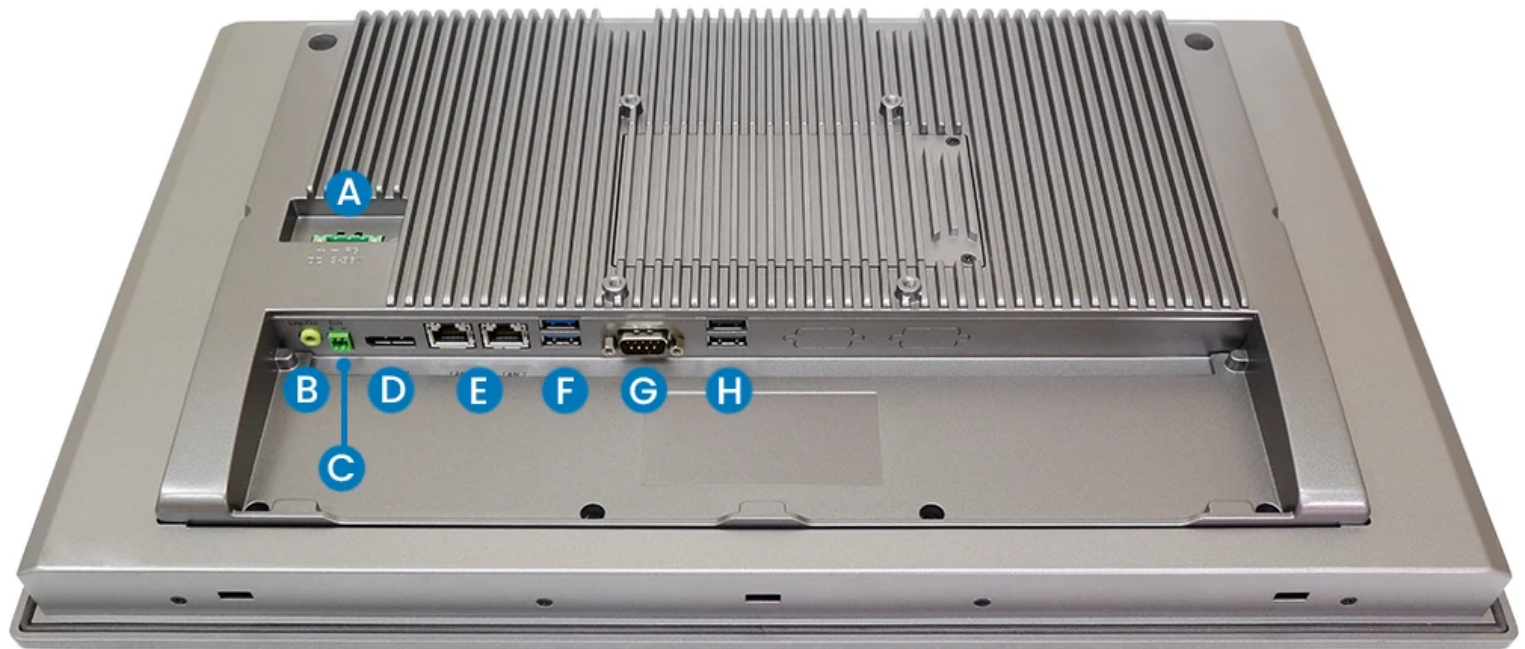
Specifications subject to change.

Display	
Screen Size	18.5"
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)
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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- 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)

USA

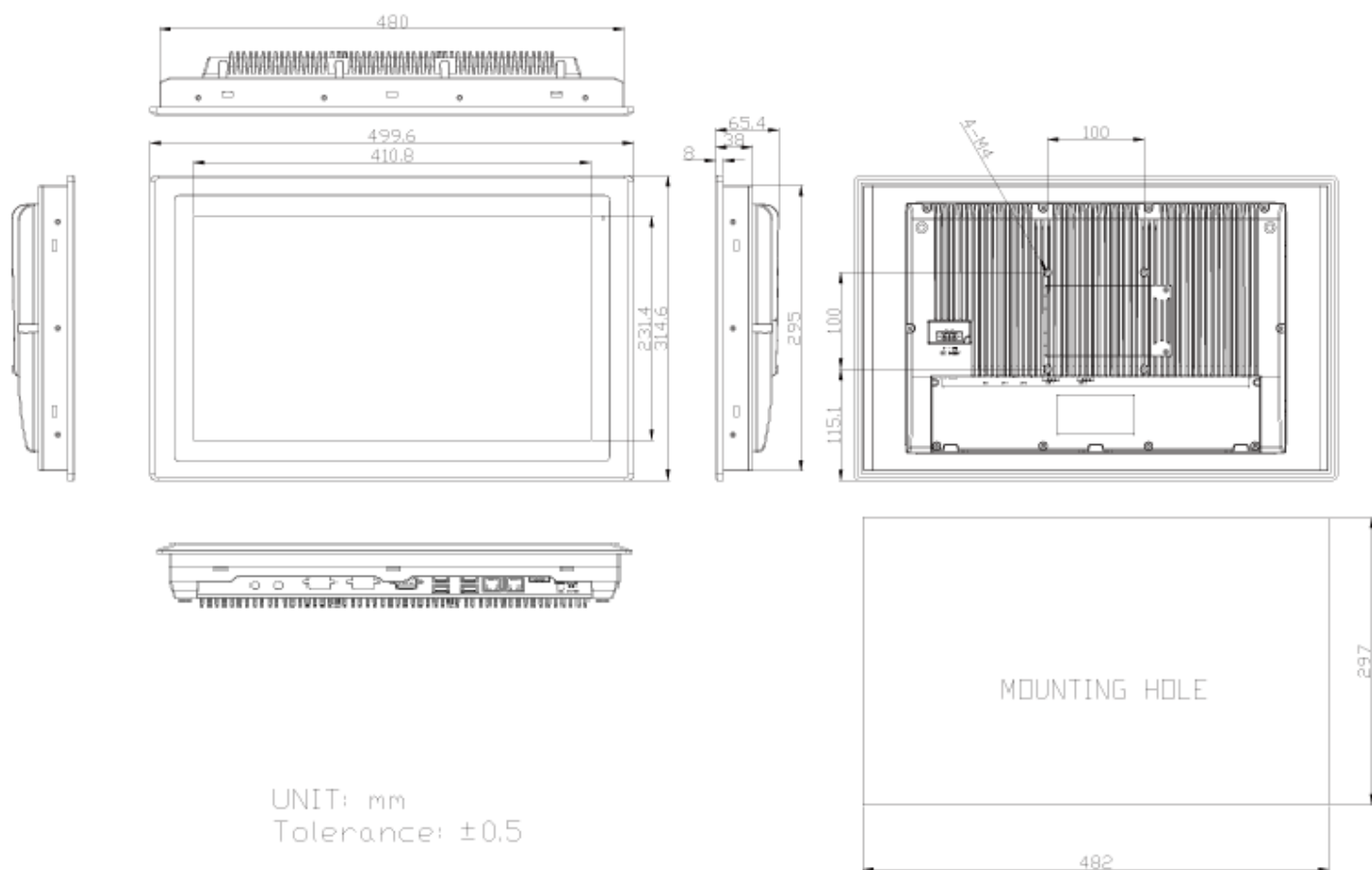
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