

TP-4800-12

Pinnacle 12.1" Panel PC



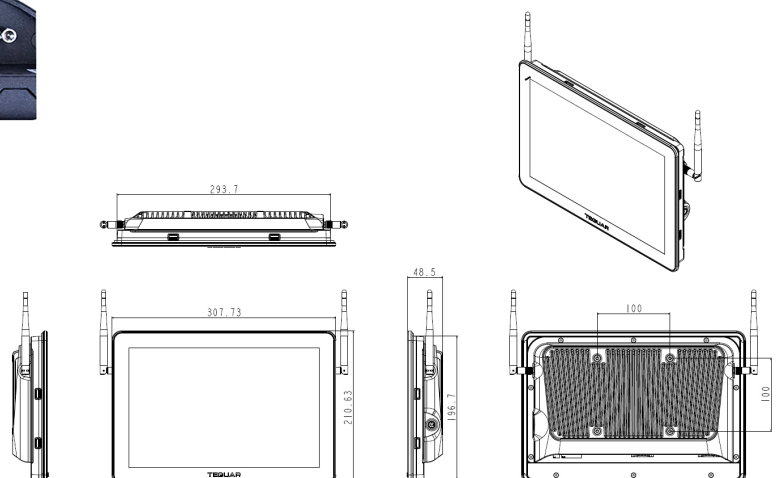
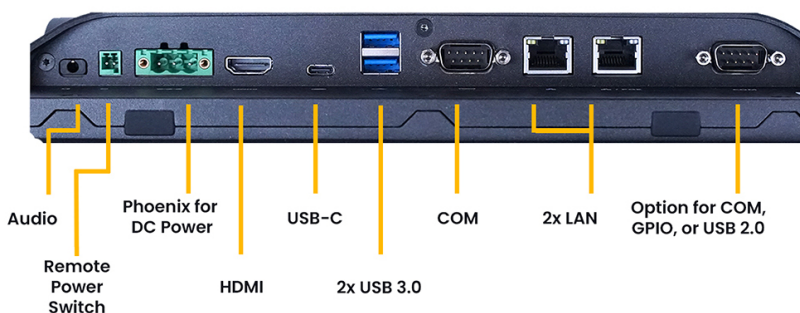
Key Highlights

- Latest Fanless Intel Elkhart Lake Processor
- 12.1" High Brightness Display
- Direct Bonded Touch
- PoE, USB-C, Digital IO, HDMI Ports
- Stunning Sleek Form Factor
- Solid Cast-Aluminum Housing
- Windows 11 Pro and IOT

SHOP PINNACLE

The TP-4800-12 is designed to exceed your expectations wherever it's needed. Its fanless Celeron processor brings strong performance, great value, and efficient power consumption. Pinnacle requires less installation space than traditional models, yet maintains its durable quality with a fanless cooling design and an IP66 rated front bezel. Finally, a direct bonded display provides a precisely responsive touch and great visual clarity, with either PCAP or resistive touch options.

Inputs/Outputs and 2D Drawing



Technical Specifications

Primary Components	
Processor Model	Intel Celeron J6413
Processor Speed	1.8 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	8GB, 16GB, 32GB
Storage type	1x M.2 2280 NVME SSD Slot
Storage Support	128GB~2TB
Display	
Screen Size	12.1"
Resolution	1280 x 800 (WXGA)
Screen Ratio	16:10
Brightness	500 nits
Expansion	
Other IO Ports	IO space reserved for customization. Can be 2nd COM, additional 2 USB 2.0 ports, or 8 pin GPIO/DIO
Other Specifications	
Warranty	Up to 5 Years
Certifications	CE, FCC
Thermal and Environmental	
Operating Temperature	0°C – 50°C (32°F – 122°F)
Storage Temperature	-20°C – 60°C (-4°F – 140°F)
Cooling Solution	Passive Fanless with Heatsink
Touch Screen	
Touch Screen	Projected Capacitive (Multitouch), Resistive
External I/O ports	
USB	2x USB 3.2, 1x USB 3.2 Type-C (DP 1.4A)
Video Outputs	1x DisplayPort via USB-C, 1x HDMI
Serial	2x COM
LAN	1x GbE and 1x 2.5GbE LAN, Optional PoE
Audio	1x 3.5mm Audio Line-Out/Mic-in
Power Input Port	3-Pin DC-In (Phoenix Type), Optional PoE, USB Type-C PD Input
Power	
Input Voltage Range	12~24V DC
Max Power Consumption	38W
Standard Power Adapter	Includes 12V AC/DC Adapter, 5A, 60W
Dimensions / Weight	
Weight	2.7kg
Dimensions	307x210x49mm
Cutout Dimensions	295x198mm
Operating Systems	
Windows	Windows 10 IoT Windows 11 IoT Windows 11 Pro
Enclosure	
Ip Rating	IP66 Front Bezel
Mounting	Panel Mount, VESA 100 Mount
Enclosure	Aluminum
Control Buttons	Power Button
Peripherals & Wireless Connectivity	
WiFi	Optional Wi-Fi 6E through Intel AX210
BlueTooth	Optional Bluetooth 5.3

Specifications subject to change.

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