TEGUAR

TP-3445-10

10" Fanless Panel PC



Key Highlights

- 10.1" LCD Touchscreen
- Intel Apollo Lake N4200 Quad Core CPU
- Easily Accessable Storage Bay
- Die-cast Aluminum Housing
- Optional Power over Ethernet

VIEW ONLINE

The 10" Fanless Panel PC is an industrial grade panel mount computer built with die cast aluminum. It runs on an Apollo Lake CPU and has a wide range DC power input of 9~36V. This computer has several options that you can choose from to make it perfect for your manufacturing plant or assembly line. Choose from several different expansion boards to add Mini-PCIe, SIM, USB or COM. This computer also supports Power over Ethernet, an optional internal backup battery, Pcap or resistive touch, and a high bright LCD. The TP-3445-10 is built to last and we're committed to supporting and selling this until at least 2030, so you don't need to worry about hardware changes interrupting your workflow.

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Technical Specifications

Primary Components

Processor Family	Intel Pentium Apollo Lake
Processor Model	N4200
Processor Speed	1.10 GHz
Memory Type	Onboard DDR3
Memory Support	4GB, 8GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD
Storage Support	32GB-1TB

Power

Input Voltage Range	9-36V DC
Max Power Consumption	30W
Standard Power Adapter	Optional 12V AC/DC Adapter

Battery

Battery Type	Optional Internal Battery

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro
Linux	Linux (Contact your sales rep for more information)

Enclosure

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

Weight / Dimensions

Weight	1.9 kg (4.2 lbs)
Dimensions	285 x 49 x 189 mm (11.2 x 1.9 x 7.4 in)

Certification

Certifications	CE, FCC Class A, UL 60950, UL 62368

Specifications subject to change.

Display

Screen Size	10.1"
Screen Ratio	16:10
Brightness	350 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive, Resistive

External I/O Ports

USB	2x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	1x RS-232/422/485 DB-9, default RS-232(COM1), 1x RS-232 DB-9(COM2)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x HDMI
Other Ports	1x 2-Pin DC Power Switch Connector
Audio Ports	1x Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type), Optional POE+, 30W with 2x USB 2.0

Thermal & Environmental

Operating Temperature	-20°C - 60°C (-4°F – 140°F)
Storage Temperature	-30°C - 70°C (-22°F – 158°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 90% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Optional WiFi
Bluetooth	Optional Bluetooth 4.0
Mobile Network 4G LTE	Optional 4G

Warranty

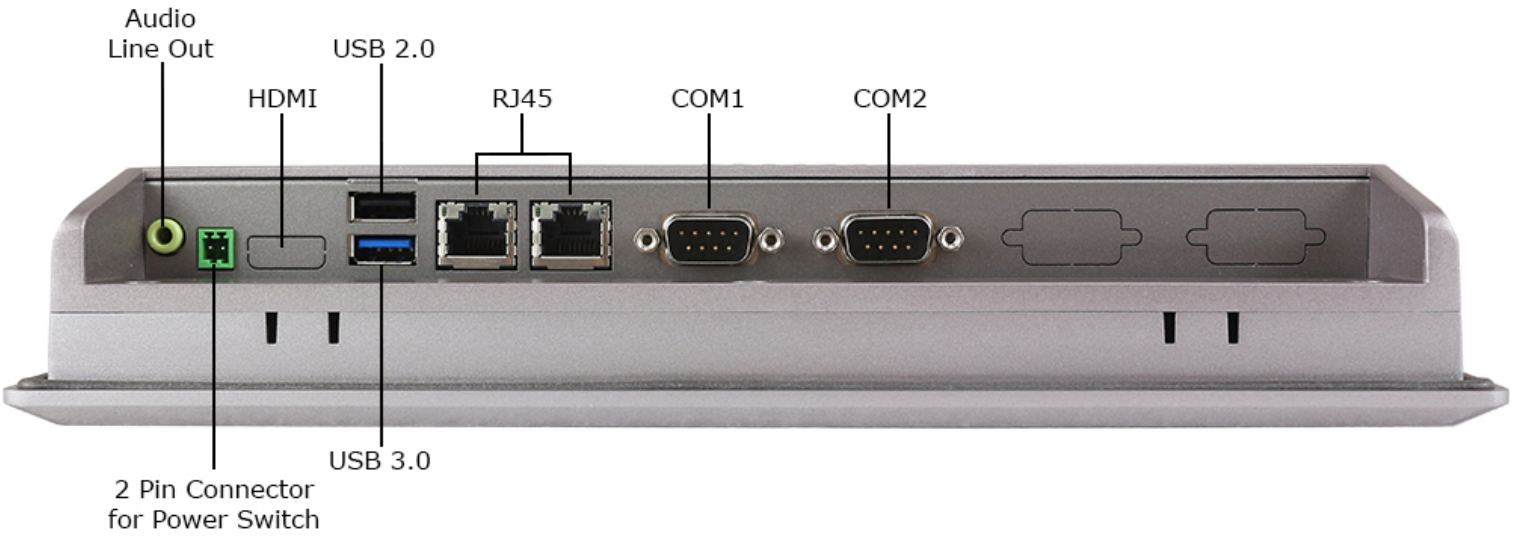
Warranty	Up to 5 Years

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I/O Diagram Images

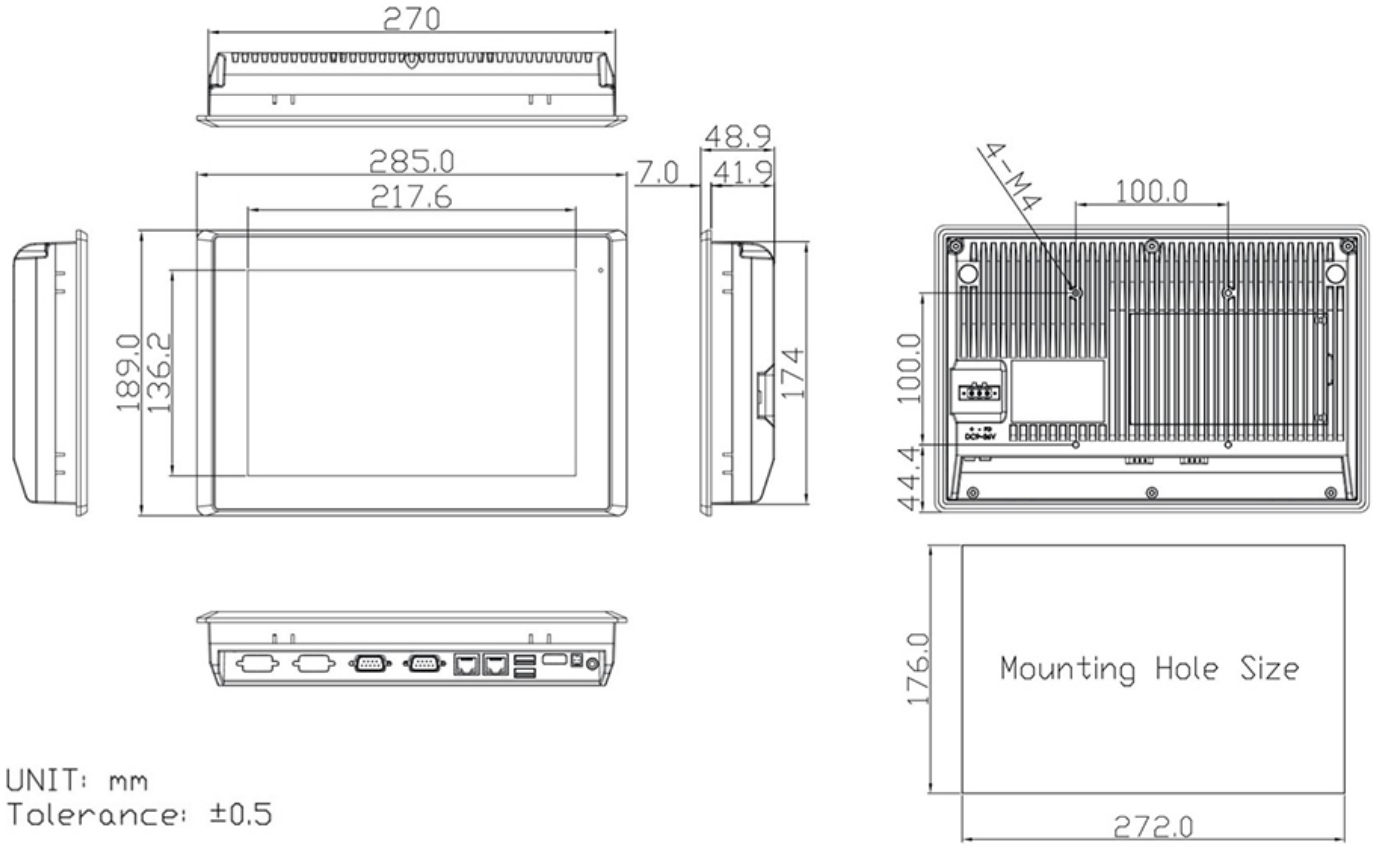


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Tech Diagram Images



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