

# TP-3445-18

## 18.5" Touch Panel PC



### Key Highlights

- 18.5" Pcap or Resistive Touchscreen
- Intel Apollo Lake N4200 Quad Core CPU
- Die-cast Aluminum Housing
- Accessable Storage Bay
- Wide DC Input Range 9~36VDC

[VIEW ONLINE](#)

The TP-3445-18 Panel Mount Computer is housed in durable die-cast aluminum and has a fanless heatsink cooling system. It is built to last in harsh manufacturing environments and has several features that can be customized to fit your application. The TP-3445-18 has a few different expansion boards that add options such as Mini-PCle, SIM, USB or COM to the computer. This [panel PC](#) also supports an optional internal backup battery, Pcap or resistive touch, and a high bright LCD. This industrial computer is on the embedded roadmap. Teguar is 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
Standard Power Adapter	Optional 12V AC/DC Adapter

## Battery

Battery Type	Optional Internal Battery
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## Operating Systems

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

## Expansion Slots

SD card	1x Micro SD Slot
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## Enclosure

Material	Aluminum
IP Rating	IP66 Front Bezel
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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*Specifications subject to change.*

## Display

Screen Size	18.5"
Screen Resolution	1366 x 768
Screen Ratio	16:9
Brightness	300 nits, Optional 1000 nit High Brightness

## Touch Screen

Touch Screen	Projected Capacitive, Resistive
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## 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++, 45W 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

## Peripherals & Wireless Connectivity

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

## Certification

Certifications	CE, FCC Class A, UL 60950, UL 62368
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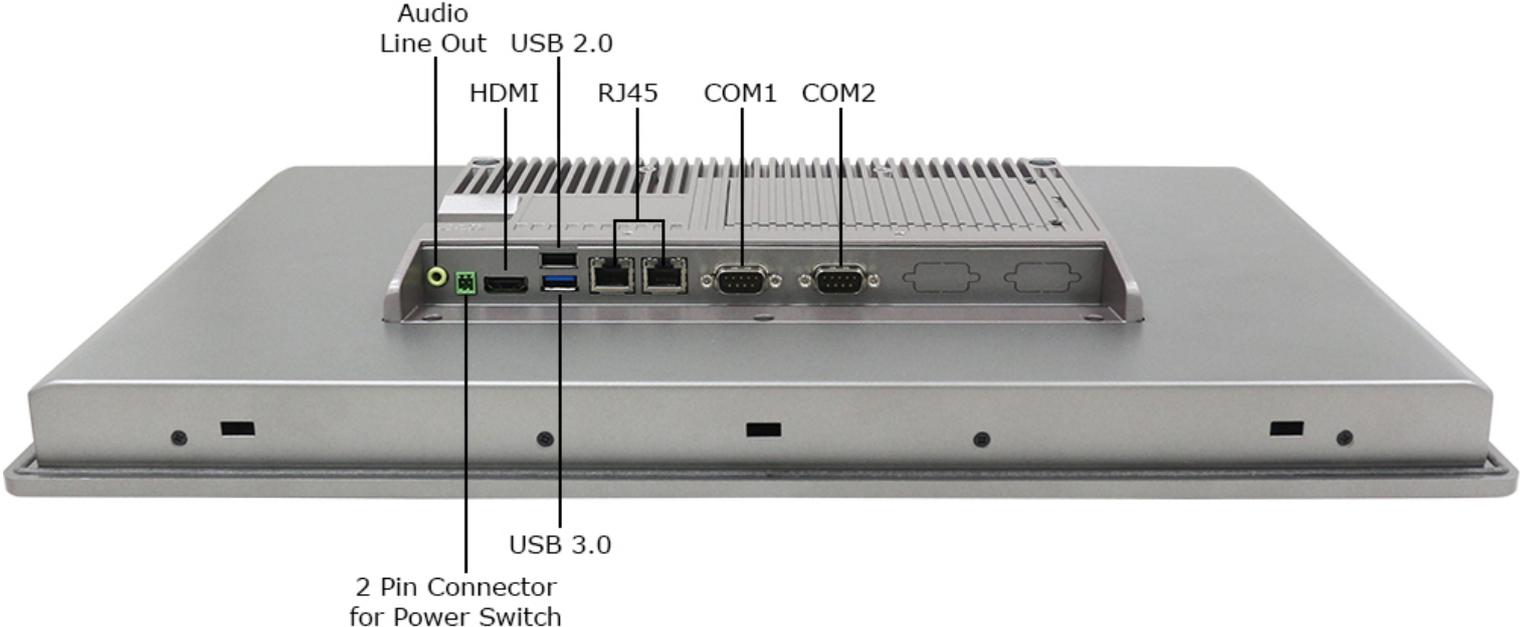
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# I/O Diagram Images

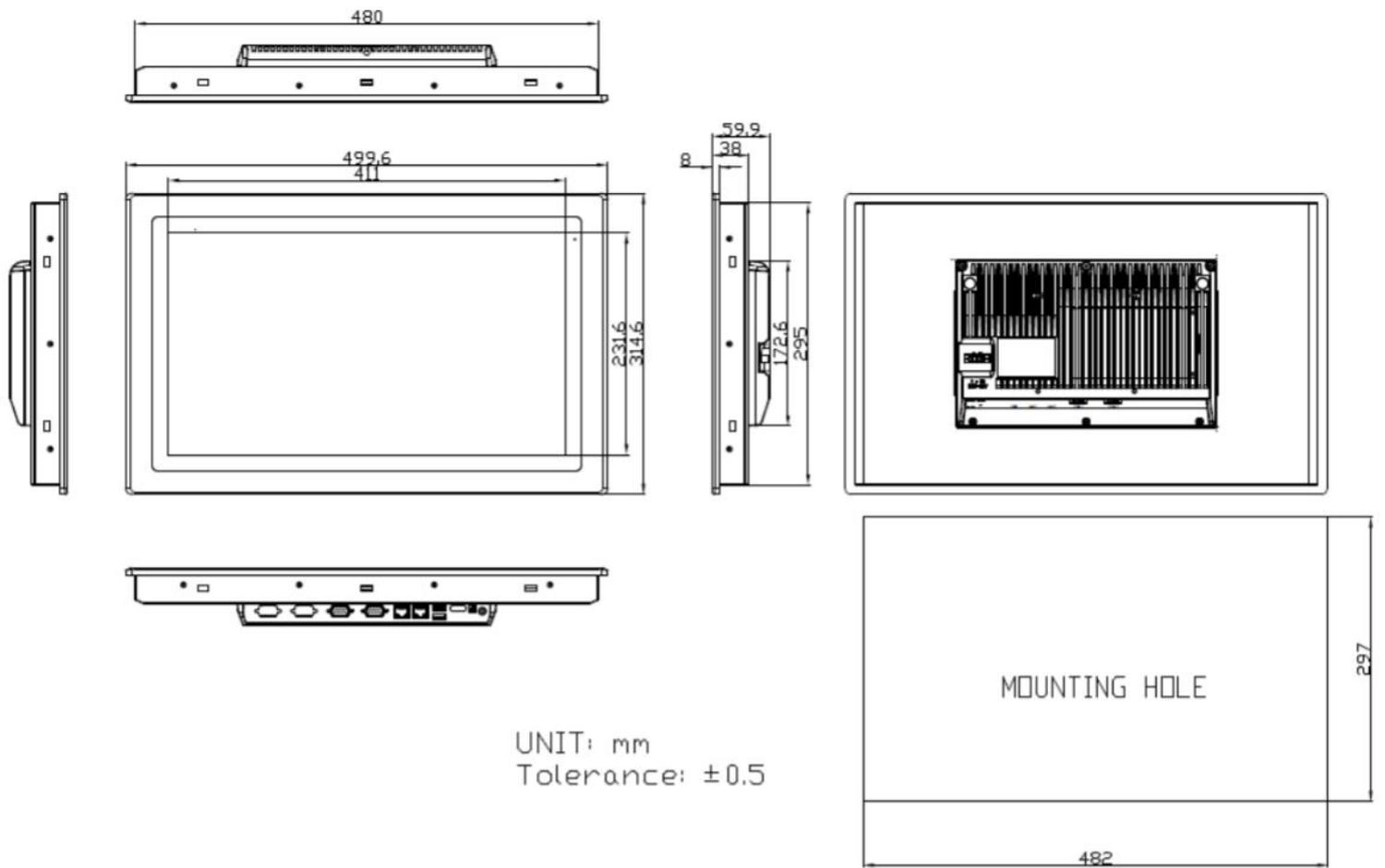


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# Tech Diagram Images



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