TEGUAR

TP-3445-07

7" Industrial Panel PC



Key Highlights

- 7" TFT-LCD Touchscreen
- Intel Apollo Lake N4200 Quad Core CPU
- Die-cast Aluminum Housing
- Accessable Storage Bay
- Light Weight at Only 2.4lbs

VIEW ONLINE

The TP-3445-07 is a compact panel PC that can fit into a control cabinet or tight space on your production line. This computer is built with die-cast aluminum housing and fanless heatsink cooling. It has an IP66 rated front bezel and accessable storage via 3 screws on the back of the unit. This 7 inch panel pc runs on an Intel Apollo Lake CPU and is on the embedded roadmap, meaning Teguar will produce and support this PC until at least 2030. This means you don't have to worry about unexpected hardware changes interrupting your workflows and can continue to purchase this unit unchanged over the next decade. The TP-3445-07 is an industrial grade computer and it's built to last, even in tough manufacturing environments.

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Technical Specifications

Primary Components

Processor Family	Intel Pentium Apollo Lake
Processor Model	N4200
Processor Speed	1.10 GHz
Memory Type	1x DDR3L SO-DIMM
Memory Support	4GB, 8GB
Storage Type	1.8" Half Size MO297 SATA Drive Bay
Storage Support	32GB-256GB

Power

Input Voltage Range	9-36V DC
Standard Power Adapter	Optional 12V AC/DC Adapter

Operating Systems

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

Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F – 122°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

Specifications subject to change.

Display

Screen Size	7"
Screen Resolution	800 x 480 (WVGA)
Screen Ratio	5:3
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)

Enclosure

Material	Aluminum
IP Rating	IP66 Front Bezel

Weight / Dimensions

Weight	1.1 kg (2.4 lbs)
Dimensions	202 x 149 x 39 mm (8.0 x 5.9 x 1.5 in)

Certification

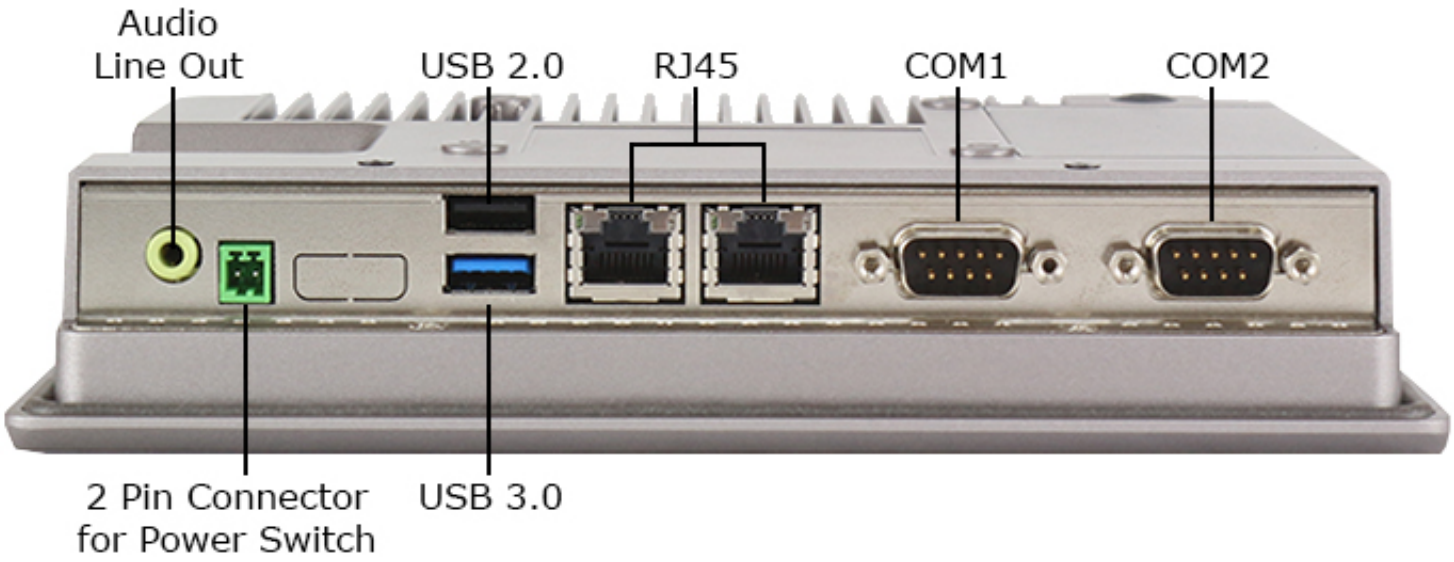
Certifications	CE, FCC Class A, UL 60950, UL 62368

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I/O Diagram Images

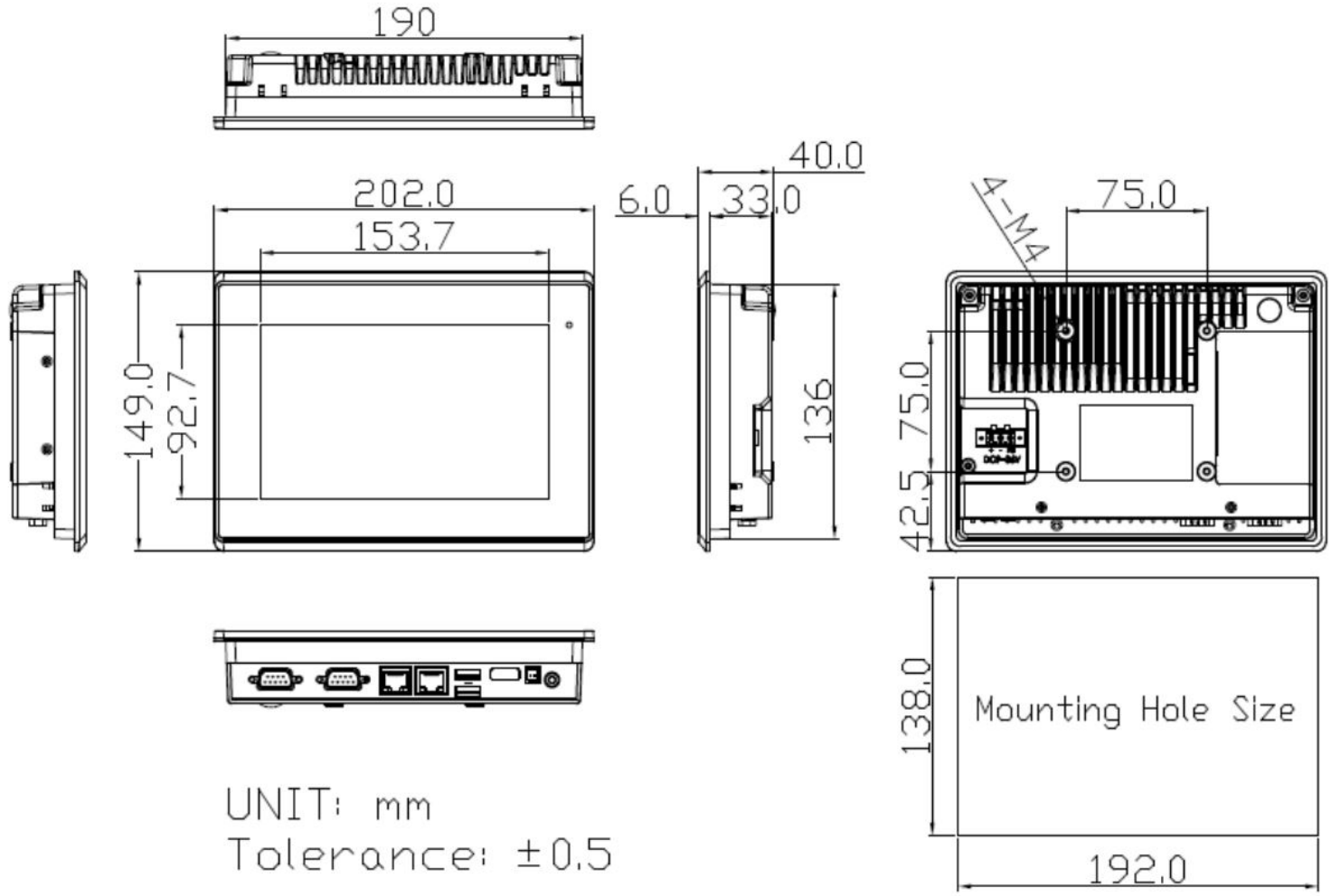


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Tech Diagram Images



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