TEGUAR

TP-5045-18

18" Industrial Panel PC



Key Highlights

- 18.5" P-Cap or Resistive Touchscreen
- Intel 6th Gen. Core i3/i5 CPU
- Optional Sunlight Readable Touchscreen
- Up to 16GB with onboard DDR4 2133MHz memory
- IP66 Protected Front with Aluminum Housing
- Wide Range 9~36VDC Power Input

VIEW ONLINE

The TP-5045-18 fanless panel PC offers a unique thermal design including a rugged die cast aluminum enclosure for fanless operation and durability in high shock and vibration settings. Advanced processing power from the latest Intel 6th generation core i3/i5 CPUs has long life cycle support. The front bezel is IP66 rated for protection from water and dust and uses a full flat design to prevent build-up of particulates on the front surface. With up to 16GB of DDR4 memory, the TP-5045-18 fanless panel PC is a great solution for most Windows or Linux based applications. A high-brightness touchscreen option can be chosen for environments with low screen visibility. The TP-5045-18 is great solution for applications such as a data hub for your IoT / IIoT sensors and to run your ERP (Enterprise Resource Planning) software.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 6th Generation Skylake
Processor Model	Core i3-6100U
Processor Speed	2.3 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD
Storage Support	32GB-1TB

Power

Input Voltage Range	9-32V DC
Standard Power Adapter	Optional 12V AC/DC Adapter

Operating Systems

Windows	Windows 10 IoT, Windows 7 Pro

Compatibility

Security Hardware	TPM 2.0

Expansion Slots

SD card	1x Full Size SD Slot

Enclosure

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

Weight / Dimensions

Weight	6.7 kg (14.8 lbs)
Dimensions	500 x 315 x 65 mm (19.7 x 12.4 x 2.6 in)

Display

Screen Size	18.5"
Screen Resolution	1366 x 768, Optional 1920 x 1080
Screen Ratio	16:9
Brightness	300 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)

Thermal & 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
Humidity Range	10% – 90% Non-condensing

Certification

Certifications	CE, FCC Class A

Warranty

Warranty	1 Year

Specifications subject to change.

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I/O Diagram Images

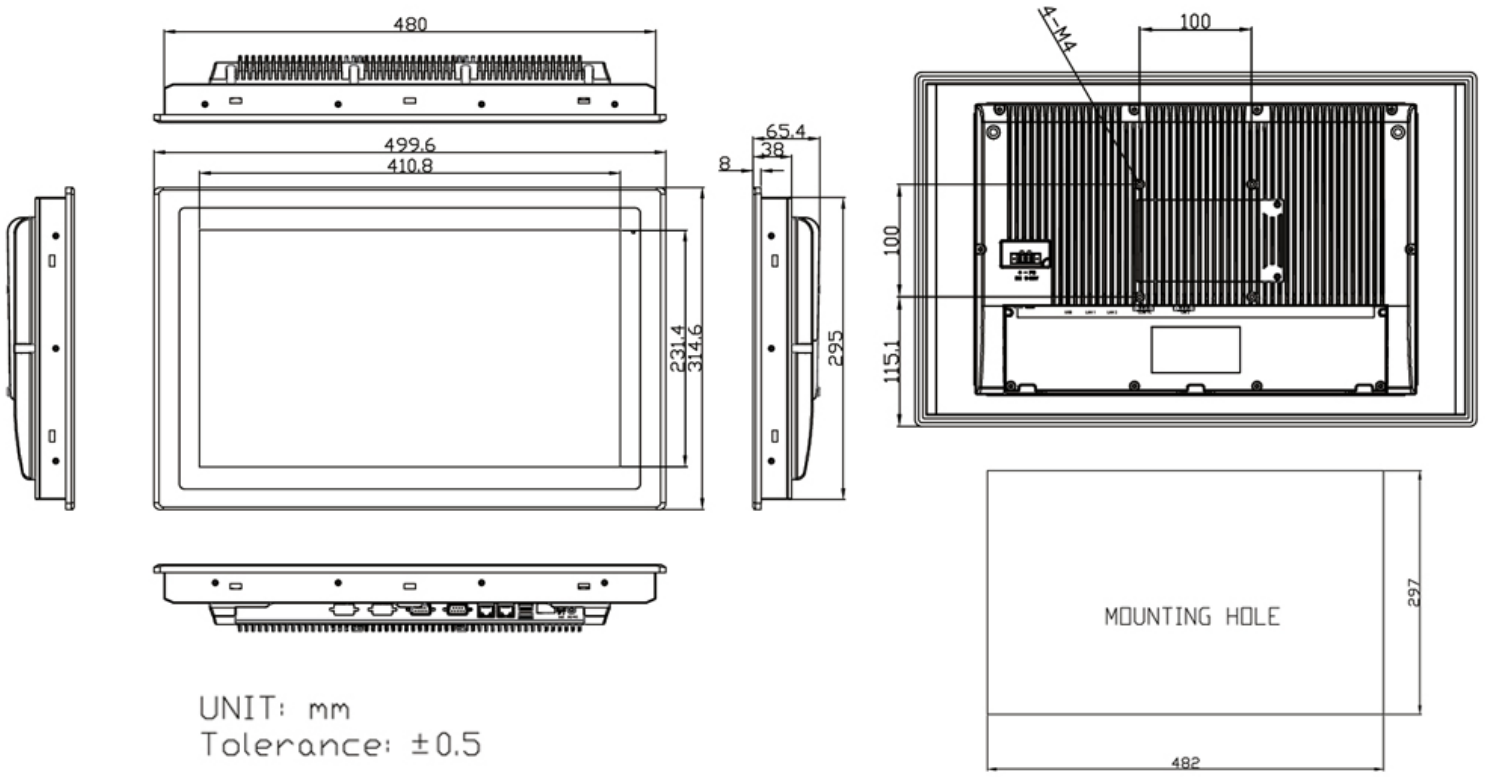


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Tech Diagram Images



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