

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

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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

Certification	
Certifications	CE, FCC Class A

Warranty	
Warranty	1 Year

Specifications subject to change.

Display	
Screen Size	18.5"
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

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)

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I/O Diagram Images



USA

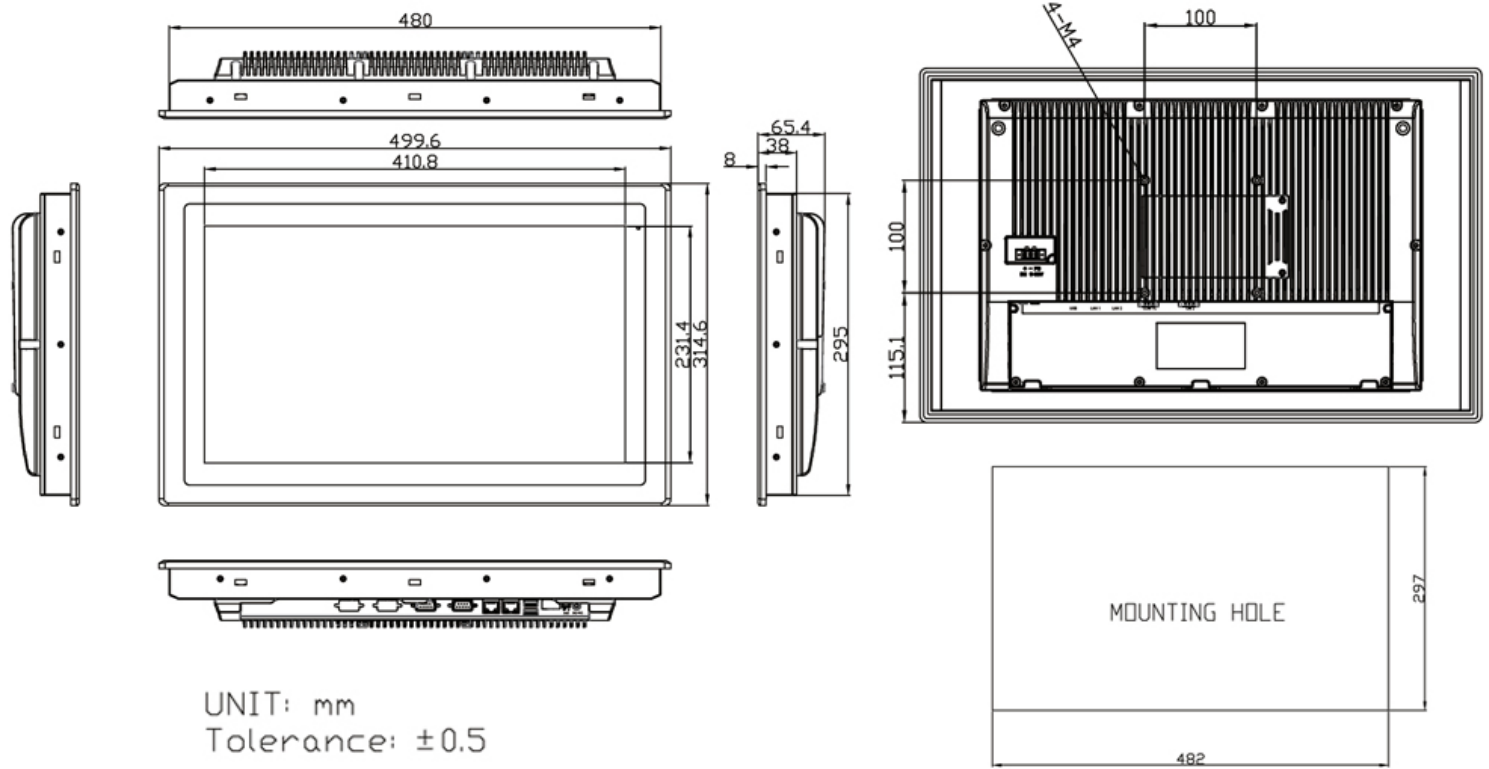
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