

# TP-5645-16

## 15.6" Panel Mount Computer



### Key Highlights

- Intel 8th Gen. Core i3/i5 CPU
- Easily accessible M.2 storage, up to 1TB
- Fanless Cooling System
- 15.6" P-Cap or Resistive Touchscreen
- Wide Range 9~36VDC Power Input
- IP66 Protected Front with Aluminum Housing

[VIEW ONLINE](#)

The TP-5645-16 Panel Mount Computer offers a unique thermal design, including a rugged die cast aluminum enclosure for fanless operation and durability in high shock and vibration settings. 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. A high-brightness touchscreen option can be chosen for environments with low screen visibility. Advanced processing power from the latest Intel 8th generation core i3/i5 CPUs has long life cycle support. With up to 16GB of DDR4 memory, the TP-5645-16 Panel Mount Computer is a great solution for most Windows or Linux based applications. Easily accessible M.2 storage can be configured as high as 512GB. This [panel PC](#) 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 Celeron or Core i 8th Generation Whiskey Lake
Processor Model	Core i3 8145UE, Core i5-8365UE
Processor Speed	2.2 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage Type	1x M.2 M Key, PCIe or SATA, 2242 NVME support
Storage Support	M.2: 128GB-1TB

## Power

Input Voltage Range	9-36V DC
Max Power Consumption	59W
Standard Power Adapter	Optional 12V 5A AC/DC Adapter

## Battery

Battery Type	Optional Internal Battery
Battery Operating Time	20min

## Operating Systems

Windows	Windows 10 IoT, Windows 11 IoT, Windows 11 Pro
Linux	Linux Ubuntu 20.04 or above (Contact your sales rep for more information), Yocto Linux

## Expansion Slots

Internal M.2	1x M.2 for NVME SSD Support
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## 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% - 95% Non-condensing

## Weight / Dimensions

Weight	4.32 kg (9.5 lbs)
Dimensions	412 x 277.5 x 58.9 mm (16.2 x 10.9 x 2.3 in)

## Warranty

Warranty	1 Year
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Specifications subject to change.

## Display

Screen Size	15.6"
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	450 nits, Optional 1000 nit High Brightness

## Touch Screen

Touch Screen	Projected Capacitive, Resistive
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## External I/O Ports

USB	4x USB 3.0
Serial / Com	1x COM
Serial Protocol Detail	Included Y-Cable provides two DB-9 Com ports: 1x 5-pin RS-232 (COM1) and 1x Configurable 3-Pin RS-232/422/485 (COM2)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x DisplayPort
Other Ports	1x 2-Pin DC Power Switch Connector
Audio Ports	1x 3.5mm Audio Line-Out
Power Input Port	2-Pin Power Switch, DC-in Jack (Phoenix Type)

## Compatibility

Security Hardware	TPM 2.0
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## Multimedia

Speakers	Optional Speaker
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## Enclosure

Material	Aluminum
IP Rating	IP66 Front Bezel
Color	Gray
Led Indicator Light	Power
Mounting Options	Panel Mount, VESA Mount

## Certification

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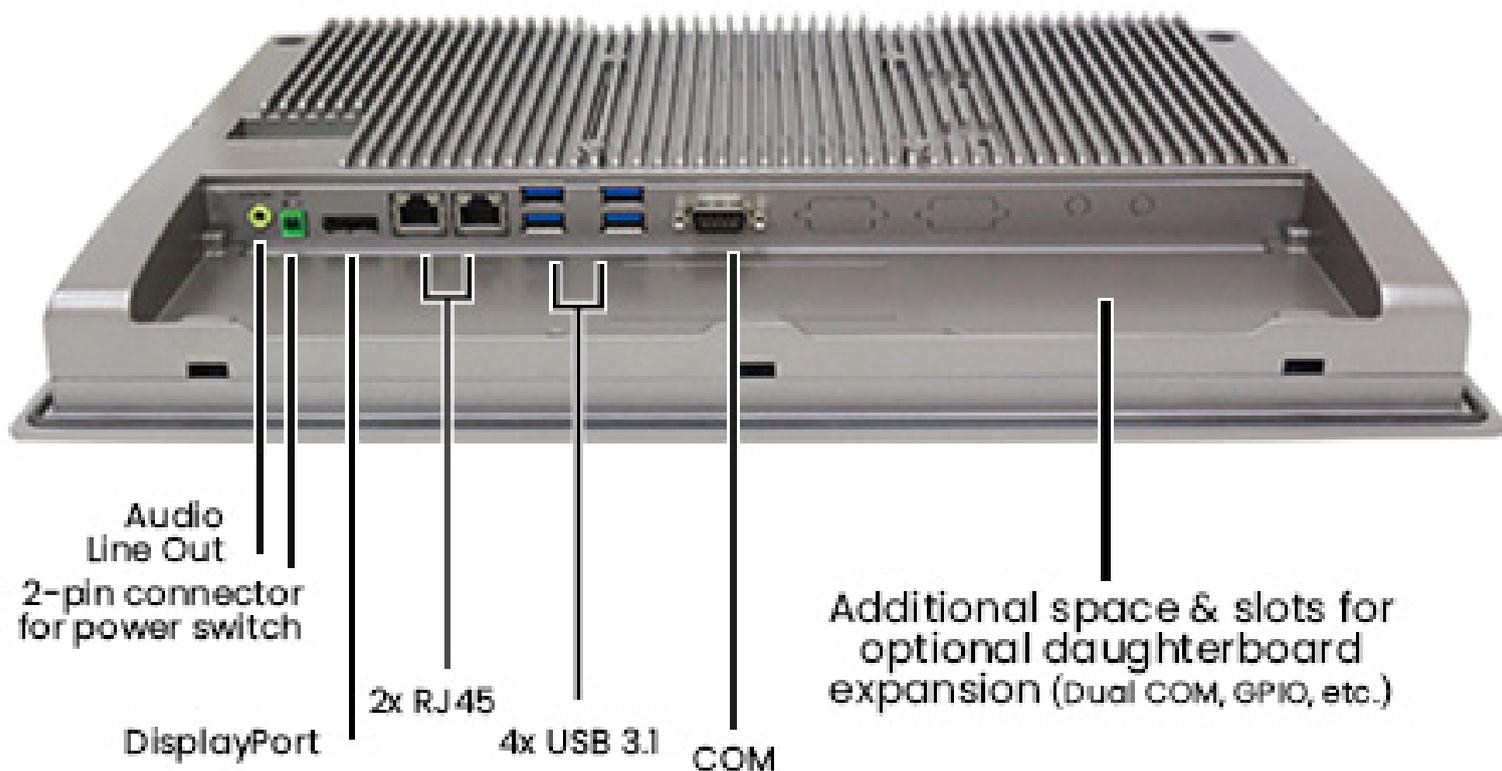
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## I/O Diagram Images



### USA

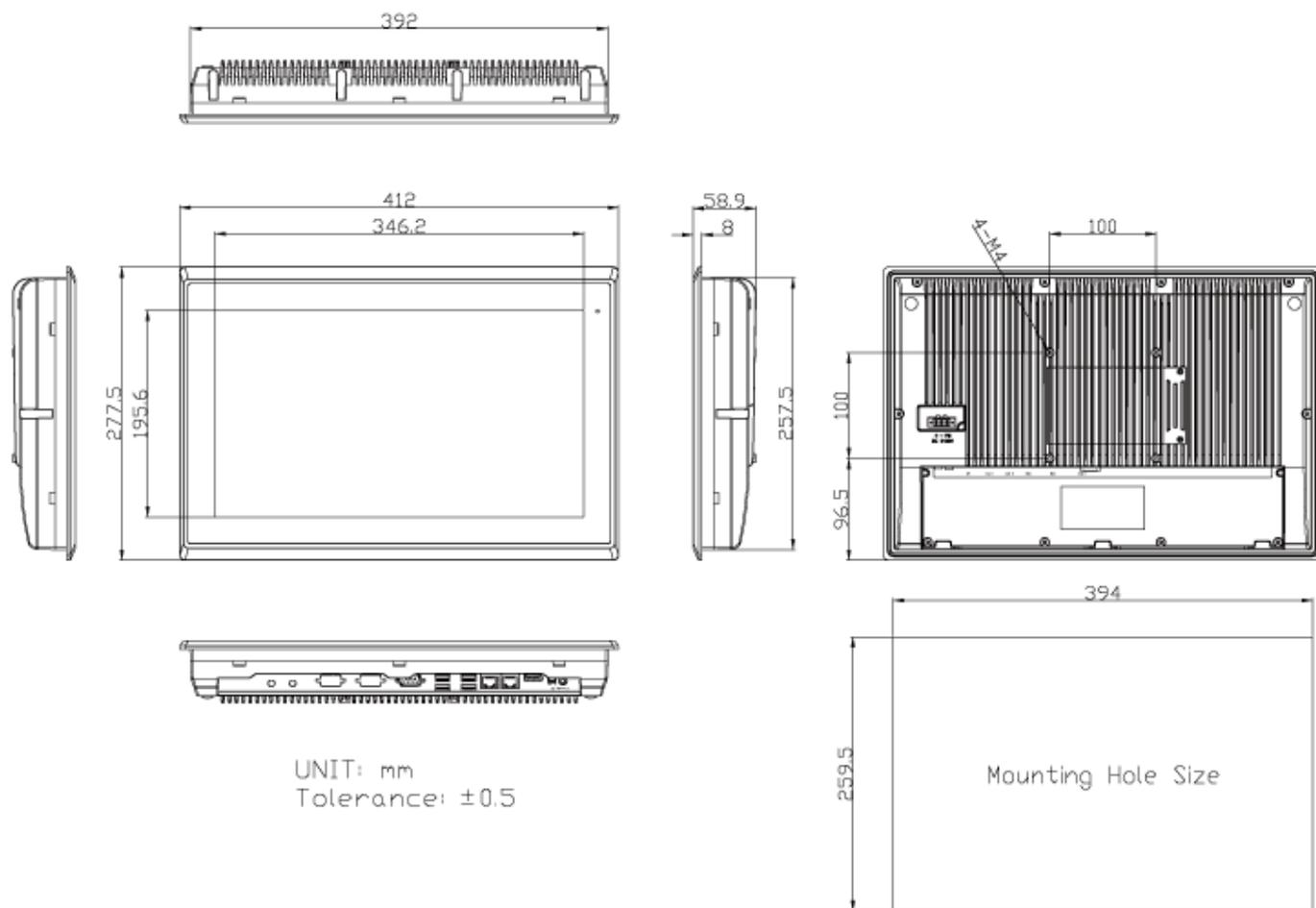
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