TEGUAR

# TP-5645-17

17" Panel Mount Computer




## Key Highlights

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

VIEW ONLINE

The TP-5645-17 Panel Mount Computer offers the robust processing power of an Intel 8th generation Core i3 or i5 CPU with 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. The unique compact thermal design includes a rugged die cast aluminum enclosure for fanless operation and durability in high shock and vibration settings. With up to 16GB of DDR4 memory and an M.2 key capable of up to 512GB of SSD storage, the TP-5645-17 panel mount computer is a great solution for most Linux or Windows based applications. A high-brightness touchscreen option can be chosen for environments with low ambient lighting like retail. This panel PC is a great solution for applications such as a data hub for your IoT / IIoT sensors, or 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** | 2.4 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** | 86W |

## 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 |

## Compatibility

| | |
|---|---|
| **Security Hardware** | TPM 2.0 |

## 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, UL 62368 |

## Warranty

| | |
|---|---|
| **Warranty** | 1 Year |

***Specifications subject to change.***

## Display

| | |
|---|---|
| **Screen Size** | 17" |
| **Screen Resolution** | 1280 x 1024 (SXGA) |
| **Screen Ratio** | 5:4 |
| **Brightness** | 350 nits |

## Touch Screen

| | |
|---|---|
| **Touch Screen** | Projected Capacitive, Resistive |

## 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 Audio Line-Out |
| **Power Input Port** | 2-Pin Power Switch |

## Enclosure

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

## Weight / Dimensions

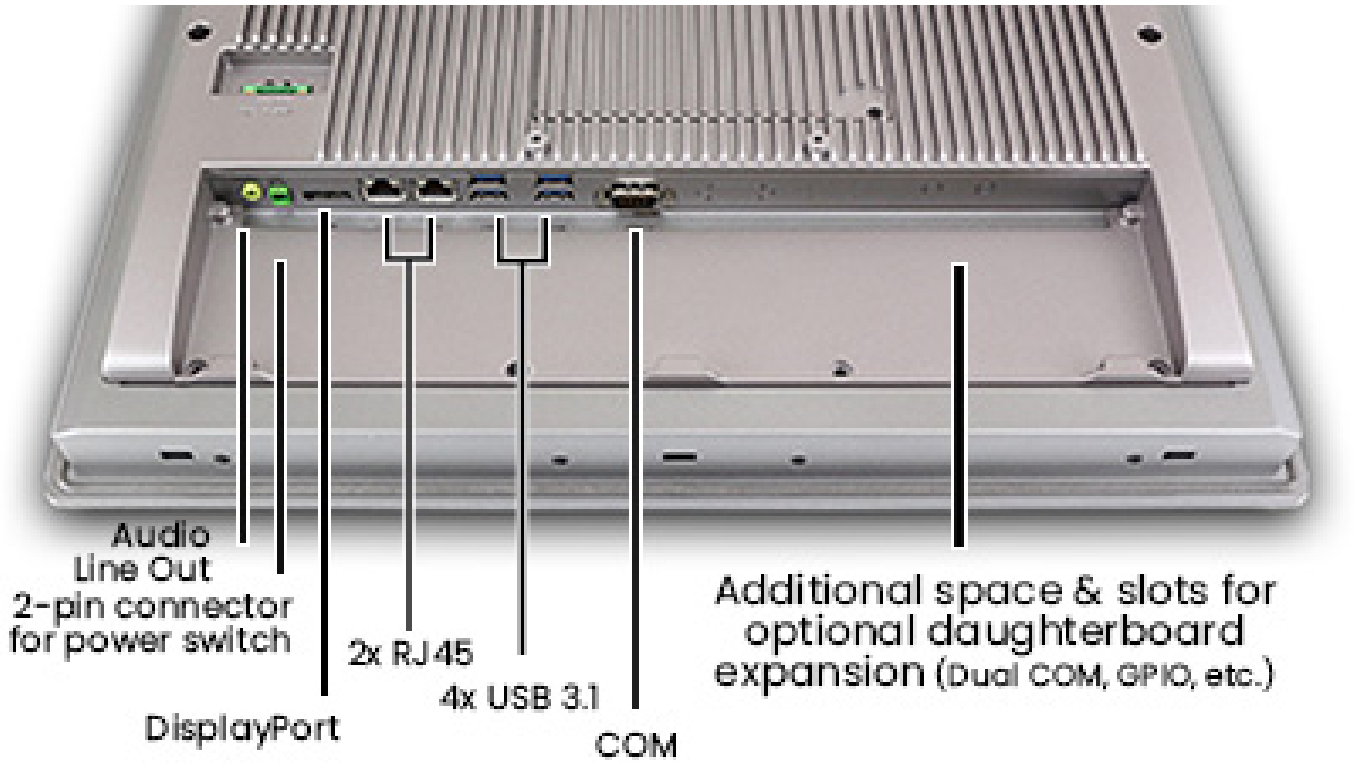
| | |
|---|---|
| **Weight** | 6.3 kg (13.9 lbs) |
| **Dimensions** | 439 x 348 x 64.8 mm (17.3 x 13.7 x 2.6 in) |


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## I/O Diagram Images

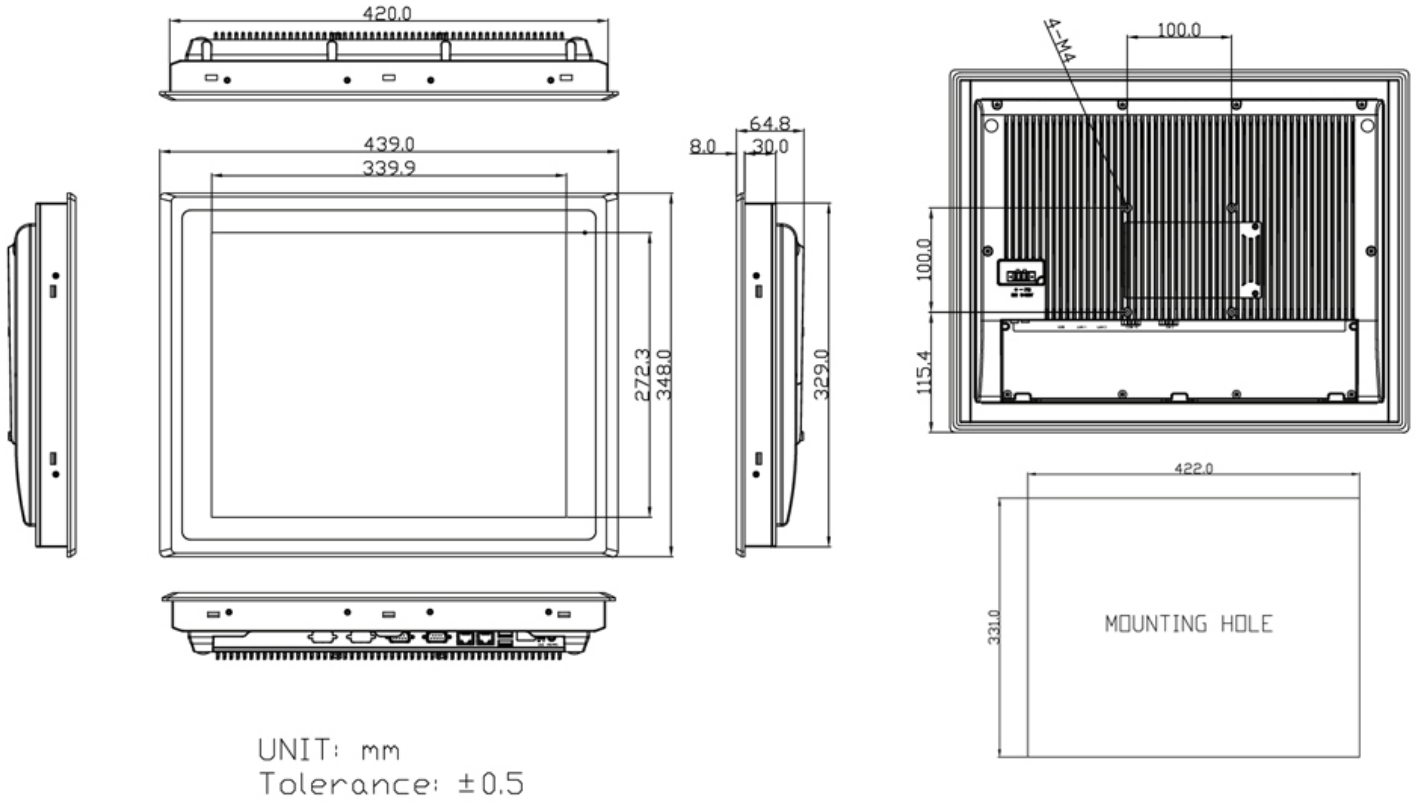



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## Tech Diagram Images




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