

TP-5045-22

22" Fanless Industrial Panel PC



Key Highlights

- 21.5" Projected Capacitive or Resistive Touchscreen
- Intel 6th Gen. Core i3/i5 CPU
- IP66 Protected Front with Fanless Design
- DDR4 2133MHz Memory with up to 16GB
- Wide Range 9~36V DC Power Input
- Sunlight Readable LCD Option

[VIEW ONLINE](#)

The TP-5045-22 fanless [panel PC](#) offers the latest Intel 6th generation core i3/i5 CPUs superior processing power with long life cycle support. The front bezel is IP66 rated for protection from water and dust. It uses a full flat design to prevent build-up of particulates on the front surface. The thermal design includes a rugged die cast aluminum enclosure for fanless operation and durability in high shock and vibration settings. A high-brightness touchscreen option can be chosen for environments with low screen visibility. The TP-5045-22 is great solution for applications such as a data hub for your IoT / IIoT sensors and to run your ERP (Enterprise Resource Planning) software. With up to 16GB of DDR4 memory, the TP-5045-22 fanless panel PC is ideal for most Windows or Linux based applications.

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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 | 7.5 kg (16.5 lbs) |
| Dimensions | 557 x 362 x 65 mm (21.9 x 14.3 x 2.6 in) |

Specifications subject to change.

Display

| | |
|-------------------|---|
| Screen Size | 21.5 |
| Screen Resolution | 1920 x 1080 (Full HD) |
| 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 |
|----------|--------|

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I/O Diagram Images



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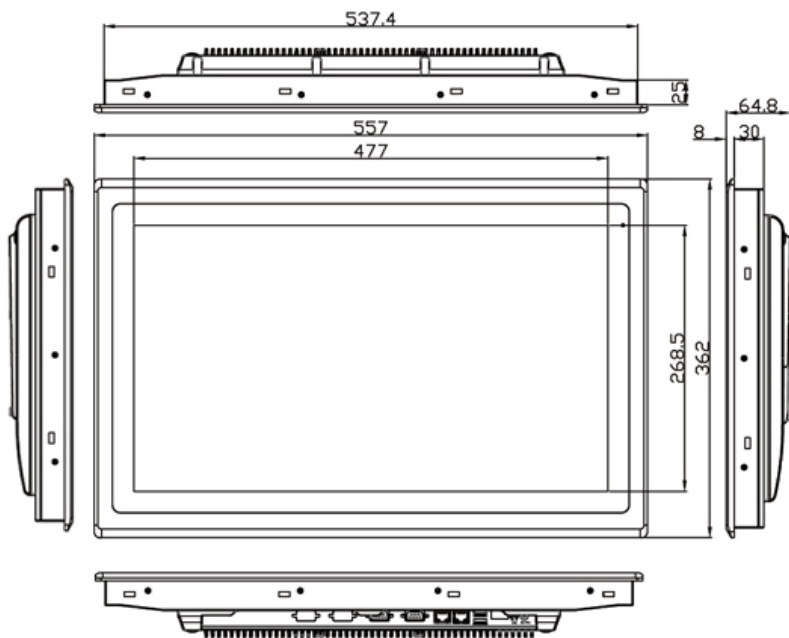
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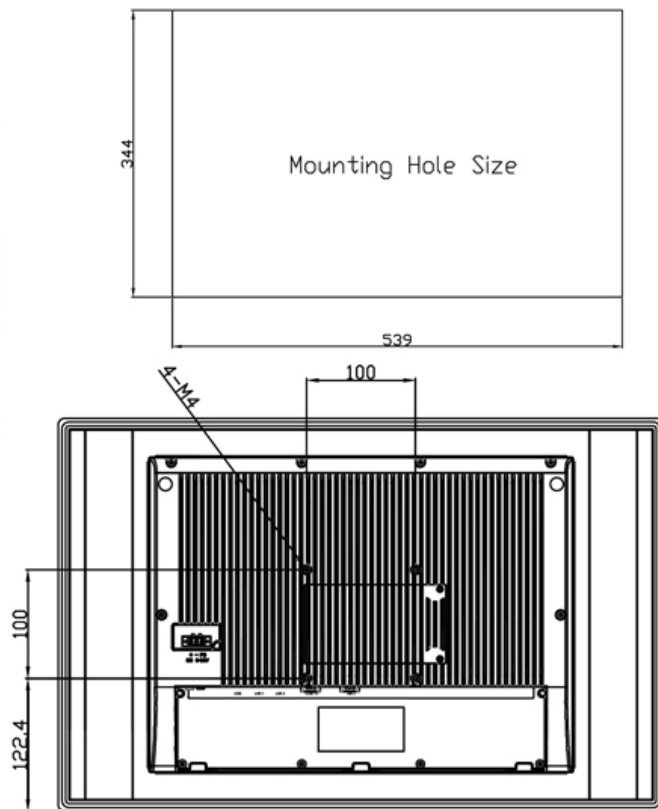
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Tech Diagram Images



UNIT: mm
Tolerance: ±0.5



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