

TSP-5045-12

12.1" Industrial Touch Screen PC



Key Highlights

- 12.1" LCD Touchscreen
- Intel 6th Gen. Core i3/i5/i7 CPU
- 304 Stainless Steel Front Bezel (Optional 316)
- Wide Range DC 9~36V Power Input
- Slim, Fanless Design

[VIEW ONLINE](#)

The TSP-5045-12 has a stainless steel front panel and aluminum back cover. The grade 304 stainless steel front will never rust, and an optional upgrade to 316 stainless steel will also protect the unit from salt water. This [panel PC](#) is ideal for food and beverage manufacturing or industrial applications exposed to liquids, sprays or humidity. This computer can be panel mounted, to create a waterproof solution, or VESA mounted. The TSP-5045-12 has an Intel Skylake processor and supports Windows 10 IoT. With a 12.1" resistive or projected capacitive touchscreen, this PC is the smallest in the TSP-5045 series, which is available in screen sizes up to 22".

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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 (easily accessible)
Storage Support	32GB-1TB

Power

Input Voltage Range	9-36V DC
Max Power Consumption	45.5W
Standard Power Adapter	Optional 12V AC/DC Adapter

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro
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Compatibility

Security Hardware	TPM 2.0
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Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F - 122°F), -20°C - 60°C (Optional -4°F - 140°F)
Storage Temperature	-20°C - 60°C (-4°F - 140°F)
Cooling Solution	Passive - Fanless
Storage Humidity	10% - 90% Non-condensing

Peripherals & Wireless Connectivity

WiFi	WiFi
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Certification

Certifications	CE, FCC Class A
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Warranty

Warranty	Up to 5 Years
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Display

Screen Size	12.1"
Screen Resolution	1024 x 768 (XGA)
Screen Ratio	4:3
Brightness	450 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive, Resistive
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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 Optional HDMI
Audio Ports	1x Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type)

Expansion Slots

SD card	1x Full Size SD Slot
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Enclosure

Material	Aluminum, Optional SUS316 Stainless Steel, SUS304 Stainless Steel
IP Rating	IP66 Front Bezel, IP69K Front Bezel
Mounting Options	Panel Mount, VESA 100 Mount
Approved Cleaning Solutions	Acetic Acid (low concentration), Ammonium Nitrate (low concentration), Benzene, Citric Acid (low concentration), Ethanol, Ethylene Glycol Solution (1:1 with water), Hexane, Hydrochloric Acid (low concentration), Iron Chloride Solution, Isooctane, Isopropyl Alcohol, Nitric Acid (low concentration), Paraffin, Perhydrol (30% in water), Phosphoric Acid (low concentration), Propane, Silicone Oil, Sodium Carbonate (low concentration), Sodium Chloride Solution, Sodium Nitrate (low concentration), Sulfuric Acid (low concentration), Triethylene Glycol

Weight / Dimensions

Weight	2.5 kg (5.5 lbs)
Dimensions	331 x 257 x 52 mm (13.0 x 10.1 x 2.0 in)

Specifications subject to change.

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I/O Diagram Images



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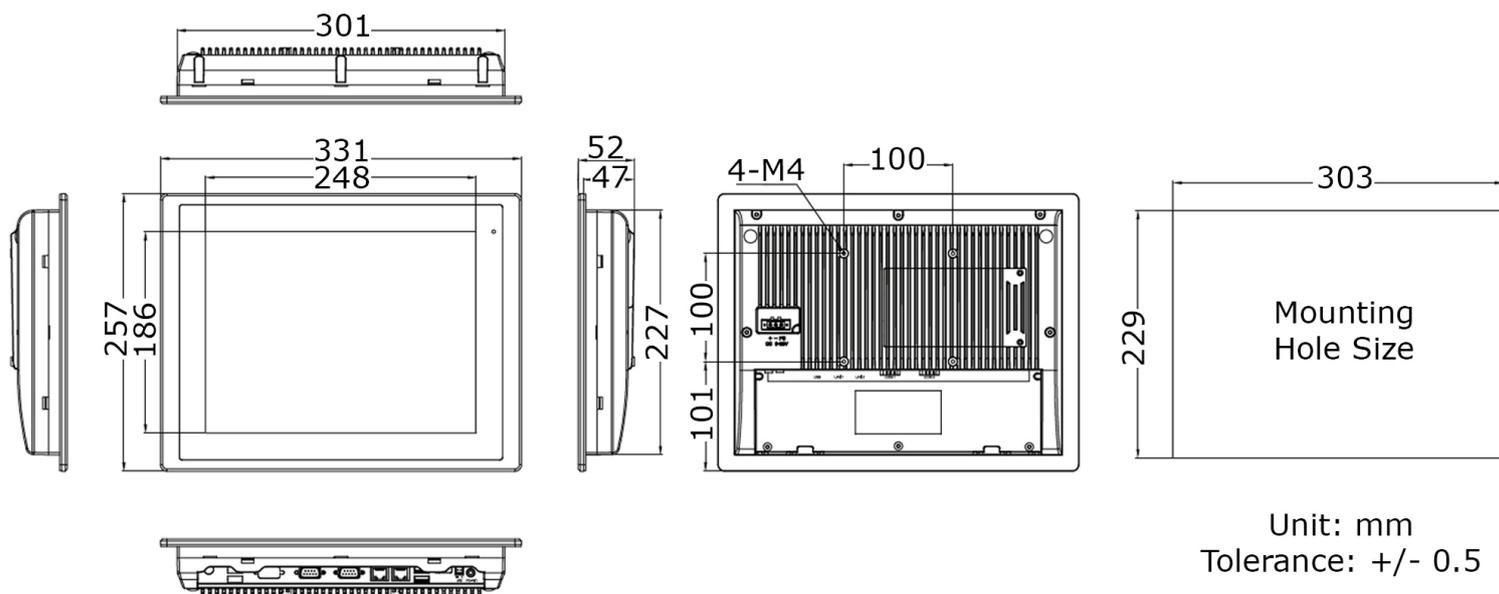
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Tech Diagram Images



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