

TSP-5045-22

21.5" Industrial Touch Screen PC



Key Highlights

- 21.5" Flat Front Waterproof Touchscreen
- Intel 6th Gen. Core i3/i5 CPU
- Wide Range DC 9~36V Power Input
- IP66/IP69K Compliant Front Bezel
- Aluminum Back Cover and Fanless Design

[VIEW ONLINE](#)

The TSP-5045-22 is ideal for tracking metrics or acting as an HMI on your food and beverage manufacturing line or in a production area exposed to liquids, sprays or humidity. The grade 304 stainless steel front bezel will never rust, and an optional upgrade to 316 stainless steel adds further protect from salt water. The front panel of this unit is IP66/IP69K compliant, so when panel mounted, this PC is an ideal waterproof solution. This [panel PC](#) has an Intel Skylake Core i3/i5 processor and supports Windows 10 IoT. The TSP-5045 series is available in screen sizes down to 12".

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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	53W
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 / 0°C - 40°C (32°F - 122°F (Standard), 32°F - 104°F (With High Bright LCD))
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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Specifications subject to change.

Display

Screen Size	21.5
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 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	7.8 kg (17.2 lbs)
Dimensions	573.8 x 378.8 x 59.8 mm (22.6 x 14.9 x 2.4 in)

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I/O Diagram Images



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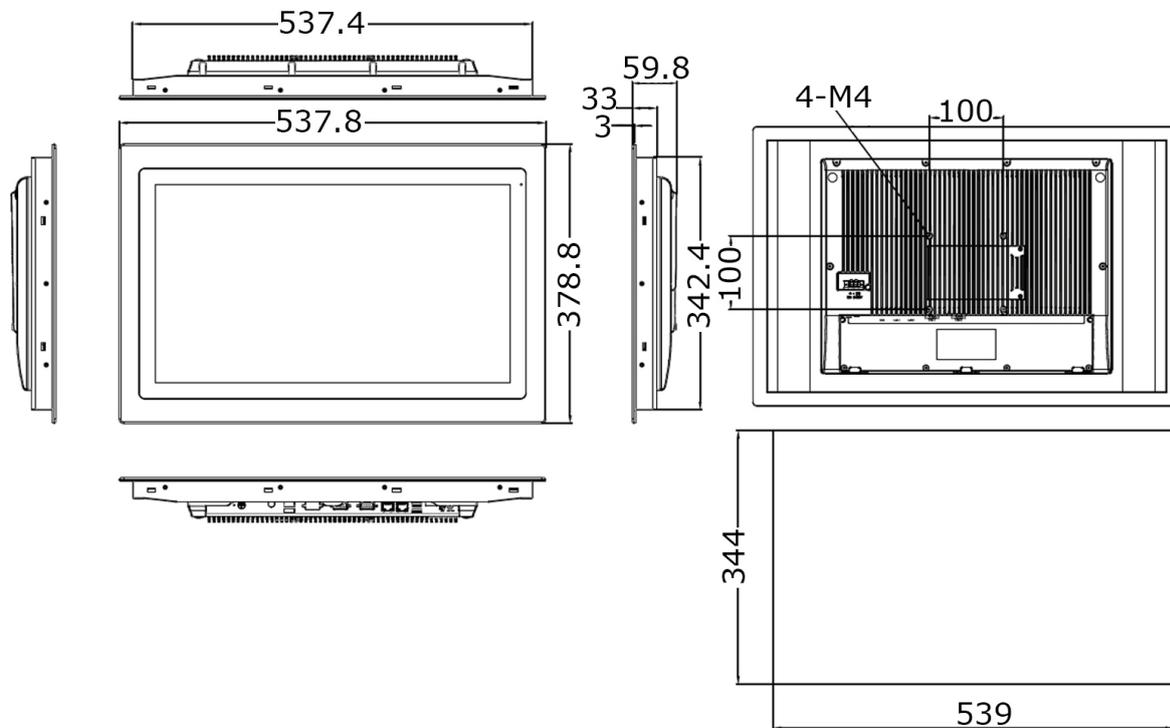
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Tech Diagram Images



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