TEGUAR

TSP-2945-10

10" Industrial Computer



Key Highlights

- 10.1" LCD with Resistive or P-Capacitive Touchscreen
- Intel Celeron N2930 CPU
- IP66/IP69K Compliant Front Bezel
- Aluminum Back Cover
- Fanless Design

VIEW ONLINE

This 10.1" Industrial Panel PC has an IP66/IP69K compliant front panel. When panel mounted, this PC is the ideal waterproof solution for food and beverage manufacturing or industrial applications exposed to liquids, sprays or humidity. The TSP-2945-10 can also be VESA mounted and it has an aluminum back cover. The stainless steel front bezel is grade 304, ensuring it will never rust. An optional upgrade to 316 stainless steel will also protect the unit from salt water. This PC has an Intel Celeron processor and supports Windows 7, Windows 8.1, and Windows 10 IoT, ideal for your HMI, SCADA program or ERP software. The TSP-2945 series is available in screen sizes from 7" – 22".

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Bay Trail
Processor Model	N2930
Processor Speed	1.83 GHz
Memory Type	Onboard DDR3
Memory Support	4GB
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	14W
Standard Power Adapter	Optional 12V AC/DC Adapter

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 7 Pro, Windows 8.1 Pro

Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F – 122°F)
Storage Temperature	-30°C - 70°C (-22°F – 158°F)
Cooling Solution	Passive – Fanless
Storage Humidity	10% – 90% Non-condensing

Weight / Dimensions

Weight	1.9 kg (4.2 lbs)
Dimensions	296 x 200 x 47 mm (11.7 x 7.9 x 1.9 in)

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

Screen Size	10.1"
Screen Resolution	1280 x 800 (WXGA)
Screen Ratio	16:10
Brightness	350 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 Optional HDMI
Audio Ports	1x Audio Line-Out
Power Input Port	3-Pin DC-In (Phoenix Type)

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	Alcohol, Chlorine and Compounds, Glutaraldehyde, Hydrogen Peroxide, Ortho-phthalaldehyde (OPA), Quaternary Ammonium Compounds

Certification

Certifications	CE, FCC Class A

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I/O Diagram Images

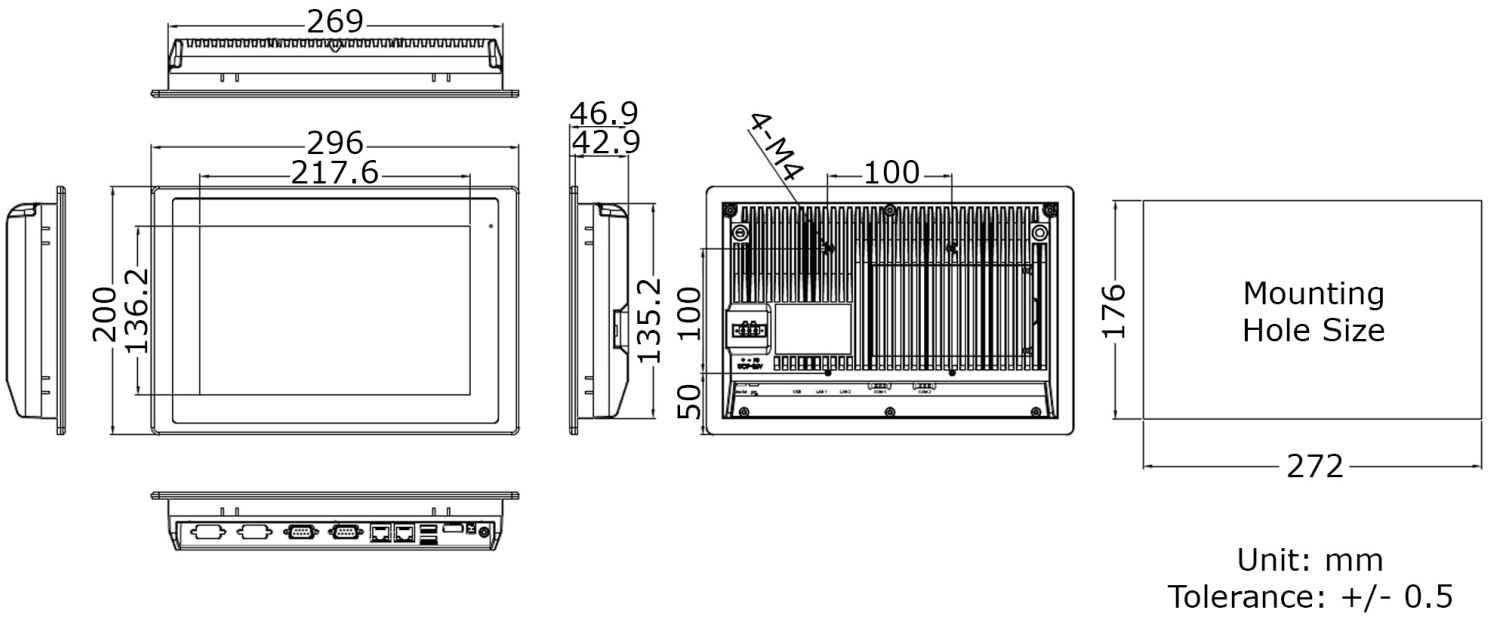


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Tech Diagram Images



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