

TSP-4845-12

12" Stainless Panel PC



Key Highlights

- 12.1" Resistive or PCAP Touchscreen
- Intel Celeron J6412 Processor
- Windows 11 Operating System
- IP66/IP69K Stainless Steel Front Bezel
- Fanless and Lightweight Design

[VIEW ONLINE](#)

The 12" [Stainless Panel PC](#) runs on a Celeron J6412 processor and has Windows 11 compatibility. Replacing the previous generation TSP-2945-12, this unit offers upgraded features for industrial computing needs. The IP66/IP69K compliant stainless steel front bezel guarantees protection against water and harsh chemicals, making it ideal for food & beverage application. It is fanless with a lightweight design due to its aluminum back enclosure, also allowing for easy access to inputs and outputs when needed. These units are EN 1672-2 compliant, meaning that they are considered to be the most hygienic solutions for use in food processing machinery.

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Elkhart Lake
Processor Model	Celeron J6412 Quad
Processor Speed	2.0 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage Type	1x M.2 M Key, PCIe or SATA, 2242 default or 2280
Storage Support	128GB-1TB

Power

Input Voltage Range	9-36V DC
Standard Power Adapter	Optional 12V 5A AC/DC Adapter

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11
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Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option)
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Enclosure

Material	Aluminum, Optional SUS316 Stainless Steel, SUS304 Stainless Steel
IP Rating	IP66 Front Bezel, IP69K Front Bezel
Color	Silver, Stainless Steel
Mounting Options	Panel Mount, VESA 100 Mount

Peripherals & Wireless Connectivity

WiFi	Optional 802.11 ac + Bluetooth with External Antennas
Bluetooth	Optional Bluetooth 4.0

Certification

Certifications	CE, EN 1672-2 Complaint (PCAP Touchscreen Only), FCC Class A
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Specifications subject to change.

Display

Screen Size	12.1"
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 2.0, 2x USB 3.2
Serial / Com	1x COM
Serial Protocol Detail	1x RS-232/422/485 DB-9, default RS-232(COM1)
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x DisplayPort
Audio Ports	1x Audio Line-Out
Power Input Port	DC-in Jack (Phoenix Type)

Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F - 122°F), -20°C - 60°C (Optional -4°F - 140°F)
Storage Temperature	-30°C - 70°C (-22°F - 158°F)
Cooling Solution	Passive - Fanless
Humidity Range	10% - 95% Non-condensing
Storage Humidity	10% - 90% Non-condensing

Weight / Dimensions

Weight	3.4 kg (7.5 lbs)
Dimensions	331 x 257 x 52 mm (13.0 x 10.1 x 2.0 in)

Warranty

Warranty	Up to 5 Years
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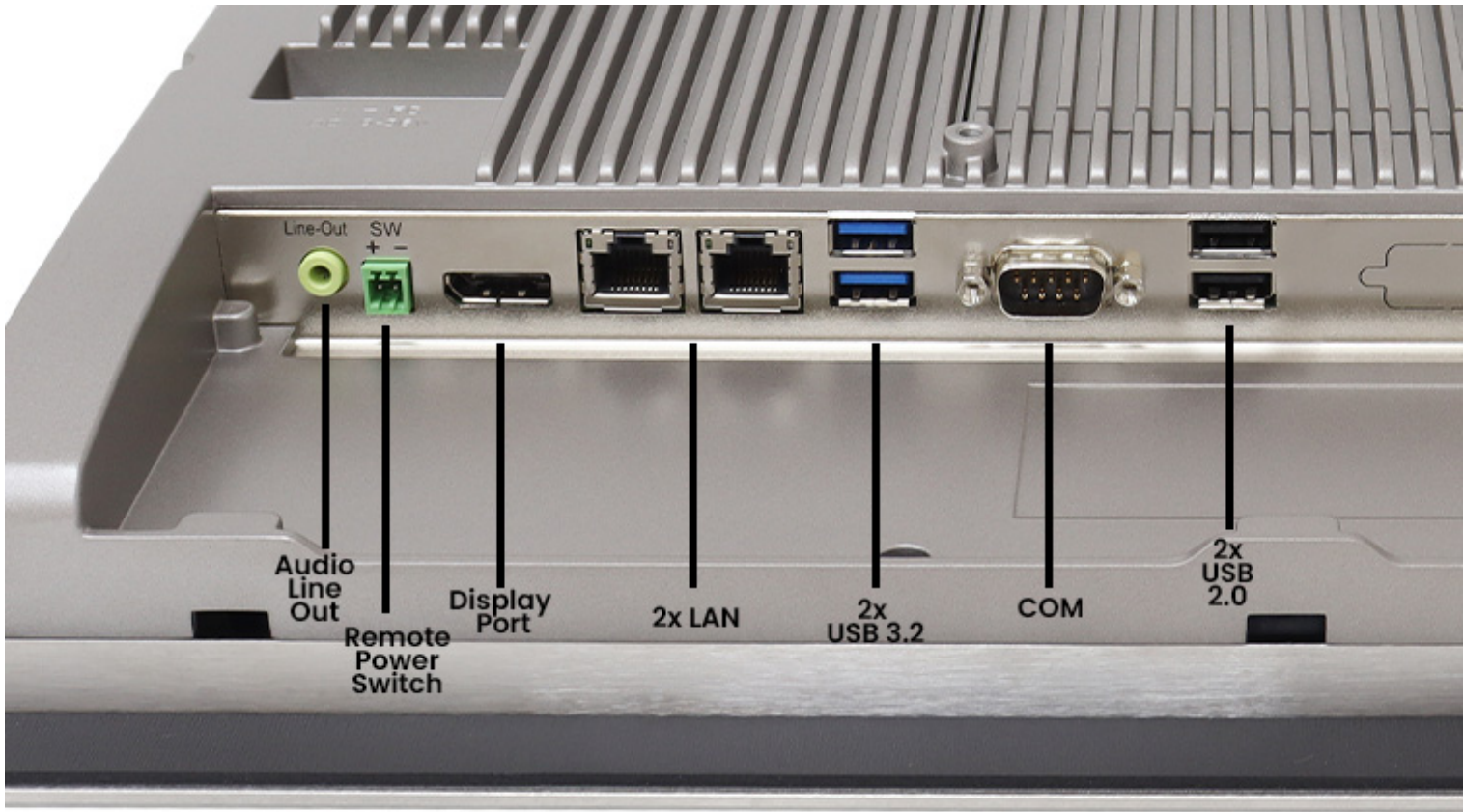
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I/O Diagram Images



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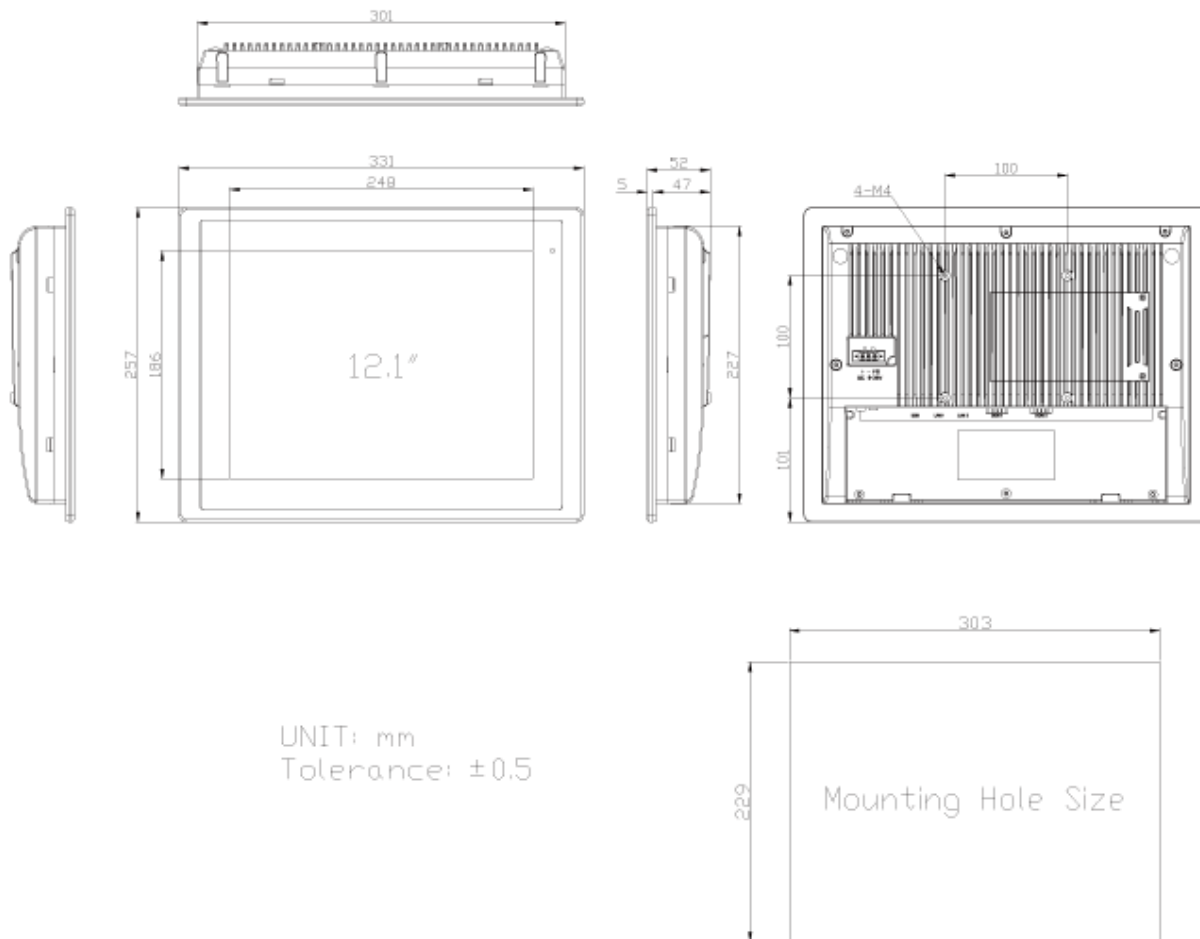
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Tech Diagram Images



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