

# TSP-4845-19

## 19" Stainless Panel PC



### Key Highlights

- 19" Resistive or PCAP Touchscreen
- Intel Celeron J6412 Processor
- Windows 11 Operating System
- IP66/IP69K Stainless Steel Front Bezel
- Aluminum back enclosure

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The 19" Stainless [Panel PC](#) offers a larger display, making it suitable for applications that require more screen real estate. Featuring Windows 11 compatibility and Intel's Celeron J6412 processor, it ensures optimal performance. Replacing its predecessor of the TSP-2945-19, this panel PC offers advanced features for various industrial needs. The IP66/IP69K compliant stainless steel front bezel provides robust protection against water and harsh chemicals, making it an excellent choice for food and beverage applications. Its aluminum back enclosure keeps the unit lightweight and provides easy access to inputs and outputs for the user.

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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 IoT, Windows 11 Pro
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## Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option)
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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	-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	7.7 kg (17.0 lbs)
Dimensions	485 x 398 x 63.8 mm (19.1 x 15.7 x 2.5 in)

## Warranty

Warranty	Up to 5 Years
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Specifications subject to change.

## Display

Screen Size	19
Screen Resolution	1280 x 1024 (SXGA)
Screen Ratio	5:4
Brightness	350 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)

## 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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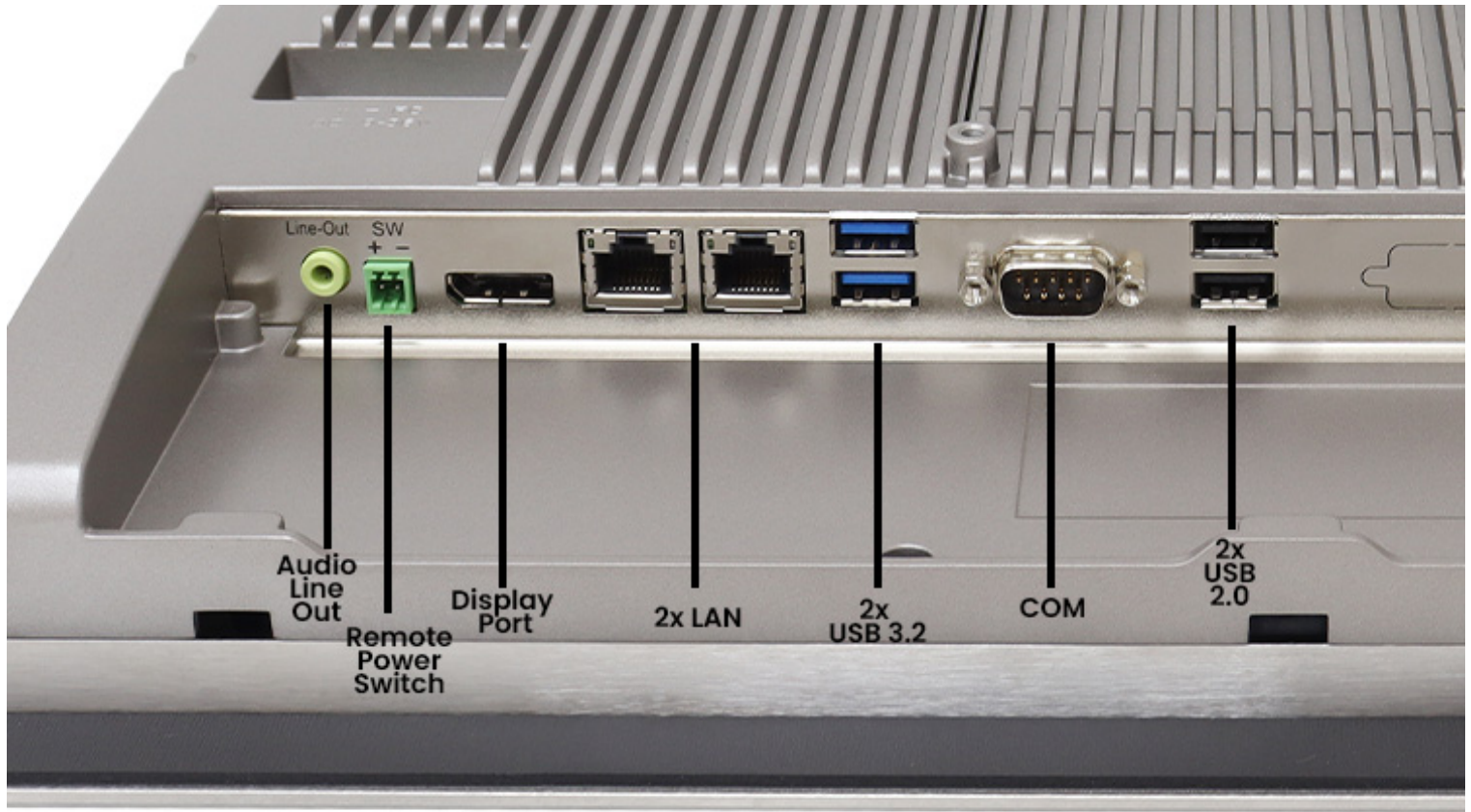
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## I/O Diagram Images



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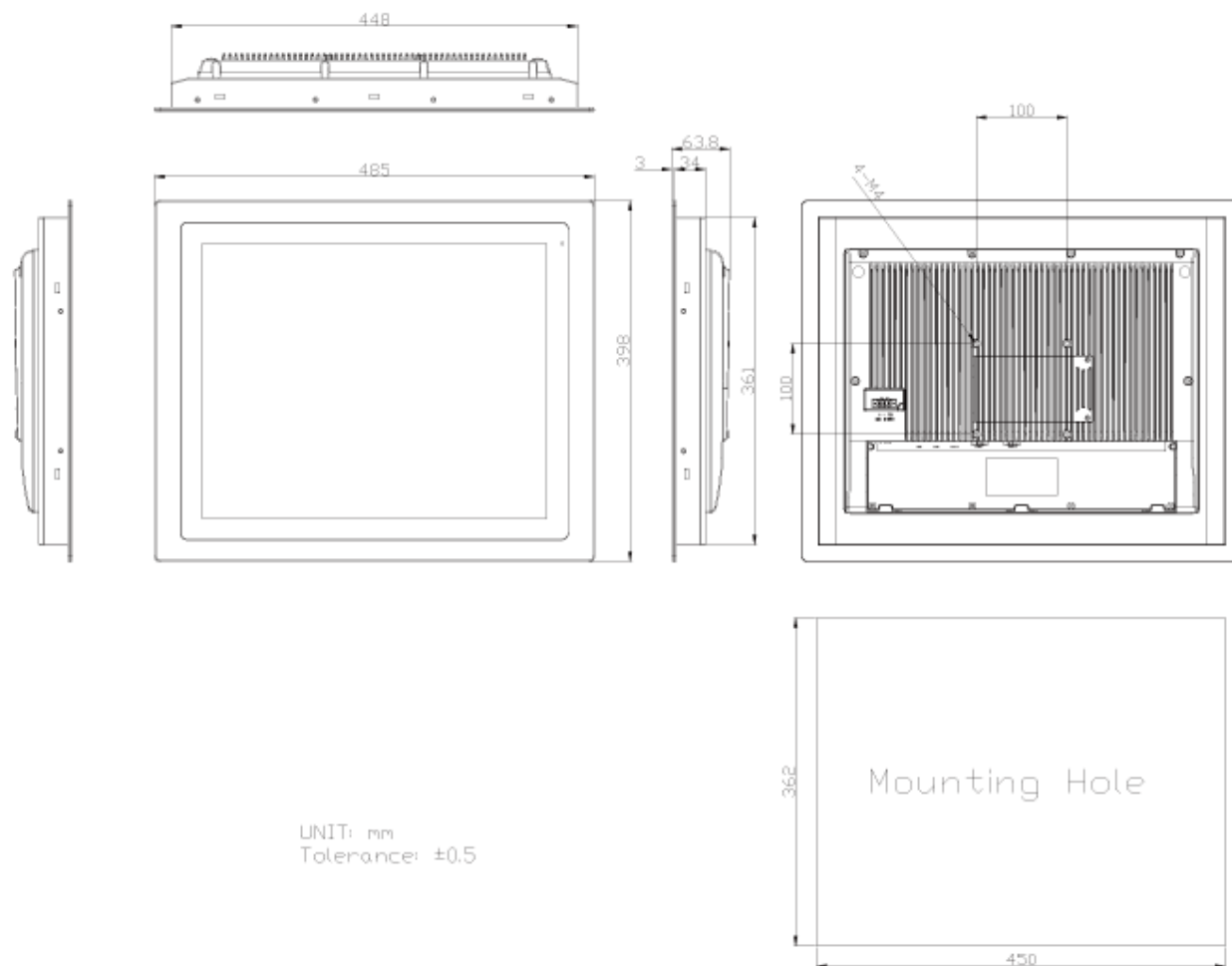
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# Tech Diagram Images



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