

TSP-5645-17

17" Panel PC



Key Highlights

- 17" LCD Touchscreen
- Intel 8th Gen Core i3/i5 Processor
- Slim and Fanless Design
- Windows 11 Capabilities
- IP66/IP69K

[VIEW ONLINE](#)

The TSP-5645-17 is purpose-built for food and beverage manufacturing, or industrial applications exposed to liquids. With its panel mount capability and its stainless steel front bezel, it created an IP66/IP69K rated waterproof solution. Powered by an Intel 8th Gen Core i3/i5 CPU with Windows 11 capabilities, this [panel PC](#) is reliable and has seamless software integration. The 17" Waterproof Touchscreen Computer delivers a robust computing solution for demanding environments by combining durability, waterproof functionality, and strong processing power.

USA

Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

EUROPE

Teguar Europe AG
Churerstrasse 54, CH-8808
Pfäffikon, Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA

Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
+886 2 7751 5319
sales@teguar.com.tw

Technical Specifications

Primary Components	
Processor Family	Intel Core I series 8th Generation Whiskey Lake-U
Processor Model	Core i3 8145UE, Core i5-8365UE
Processor Speed	2.3 GHz, Up to 4.1 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
Max Power Consumption	86W
Standard Power Adapter	Optional 19V 6.3A AC/DC Adapter

Operating Systems	
Windows	Windows 10 IoT, Windows 10 Pro, Windows 11

Expansion Slots	
Internal M.2	1x M.2 for NVME SSD Support

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
Approved Cleaning Solutions	Acetic Acid (low concentration), Ammonium Nitrate (low concentration), Benzine, 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	5.1 kg (11.2 lbs)
Dimensions	449 x 358 x 63.8 mm mm (17.7 x 14.1 x 2.5 in)

Warranty	
Warranty	Up to 5 Years

Specifications subject to change.

Display	
Screen Size	17"
Screen Ratio	5:4
Brightness	350 nits, Optional 1000 nit High Brightness

Touch Screen	
Touch Screen	Projected Capacitive, Resistive

External I/O Ports	
USB	4x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	Included Y-Cable provides two DB-9 Com ports: 1x 5-pin RS-232 (COM1) and 1x Configurable 3-Pin RS-232/422/485 (COM2)
Ethernet / LAN	2x RJ45 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)
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

Peripherals & Wireless Connectivity	
WiFi	Optional 802.11 ac + Bluetooth with External Antennas
Bluetooth	Optional Bluetooth 4.0
Sim Card	1x Nano SIM Card Slot

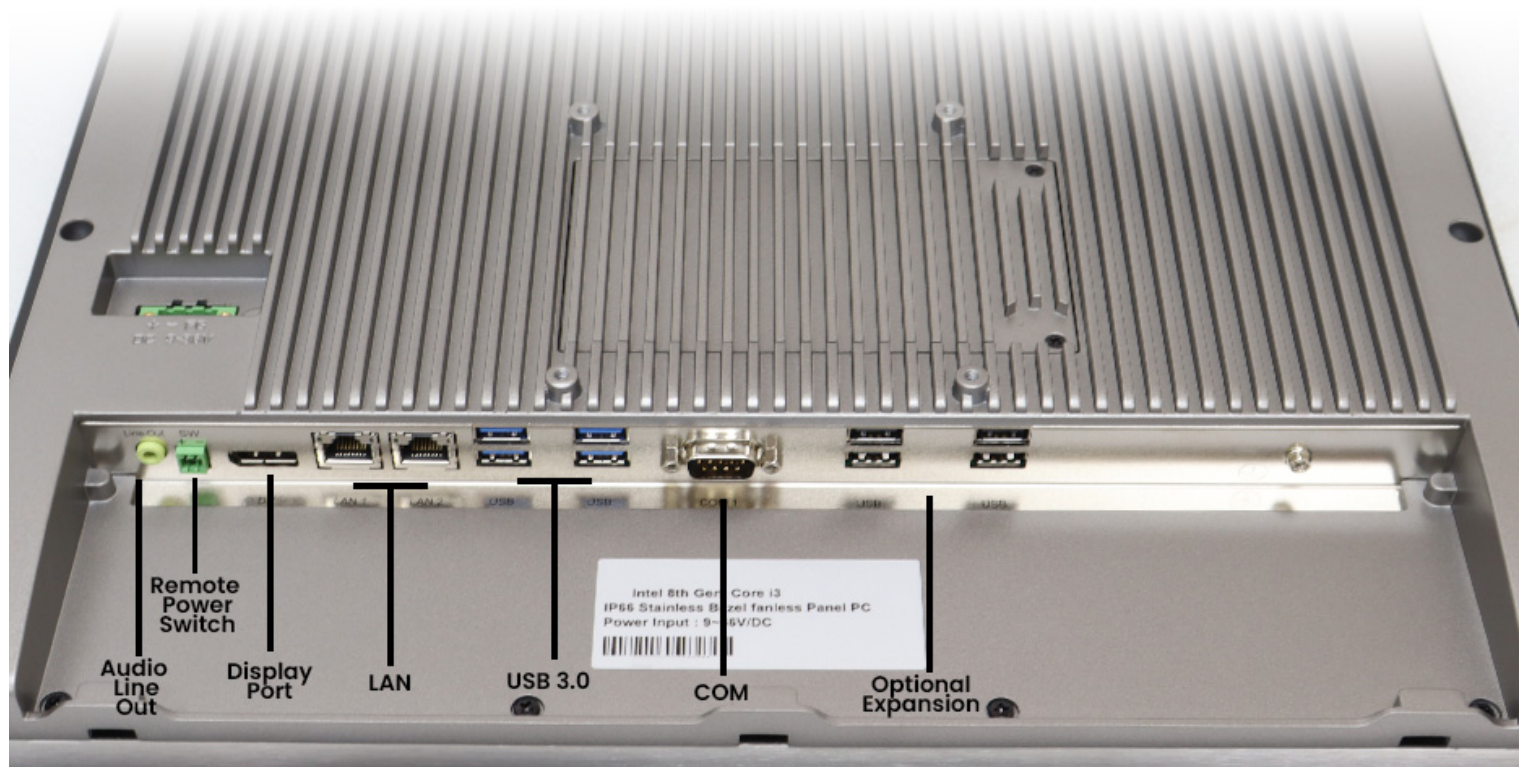
Certification	
Certifications	CE, EN 1672-2 Complaint (PCAP Touchscreen Only), FCC Class A

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I/O Diagram Images



USA

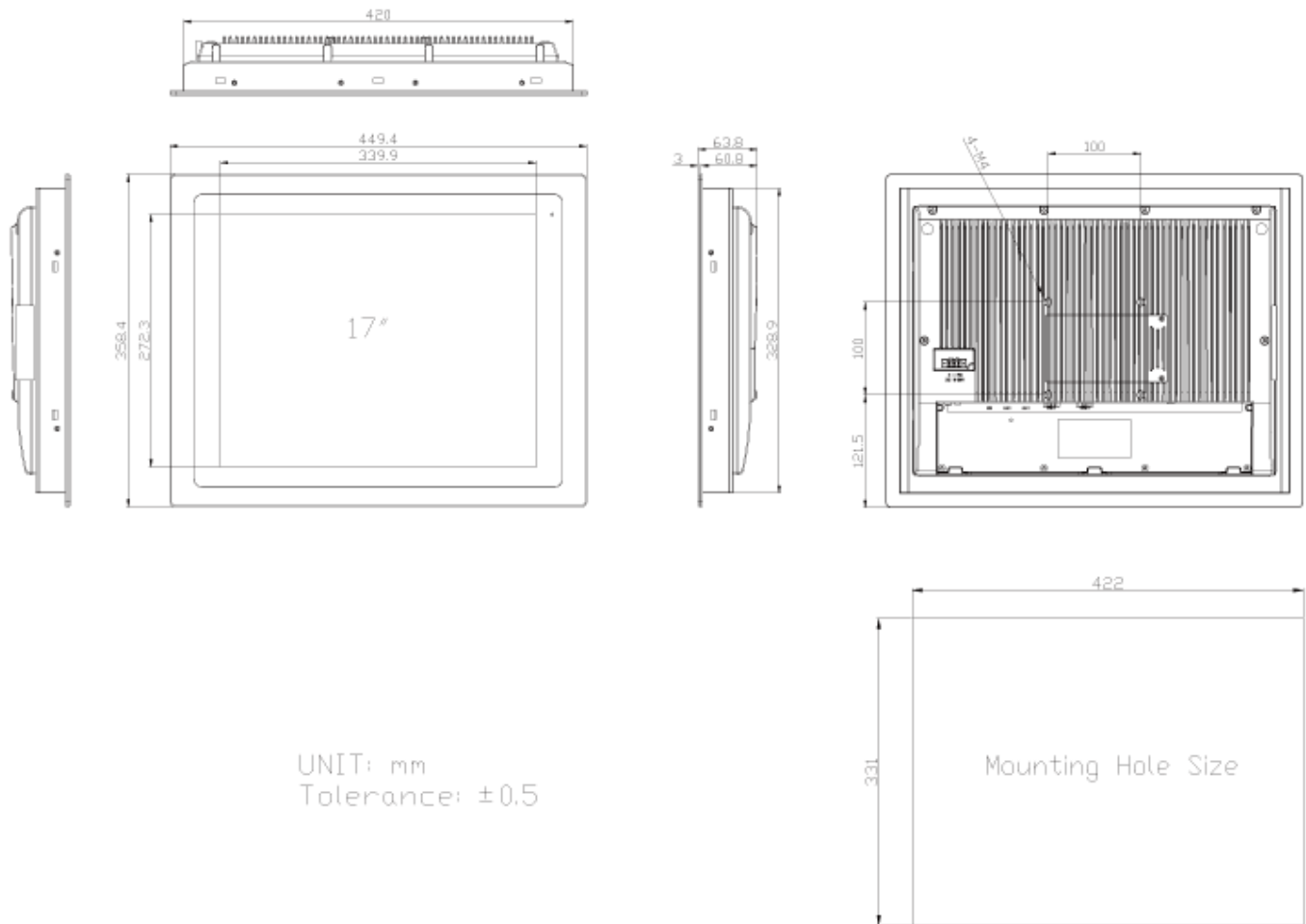
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