

TSI-5945-22

21.5" Operator Interface Terminal



Key Highlights

- 21.5" Full HD Touch Screen
- 11th Generation Core i3/i5 Processor
- 5x Buttons by Default, 3x More Optional
- 2.5 GbE LAN
- Able to Swing Arm or Pole Mount
- [Need customization? Click here for OEM services.](#)

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The 22" Operator Interface Terminal is a robust solution for general manufacturing, featuring IP65 waterproofing and five front buttons for intuitive control in demanding environments. Designed for swing arm or pole mounting and compatible with Rittal mounts, it offers versatile installation options. The 11th Generation CPU ensures high-performance computing to manage quick stop equipment effectively. Ideal for factories requiring reliable operation and durability, this terminal enhances productivity and safety with its rugged design and seamless integration capabilities. Learn more about the [TSI-5945 Series here](#).

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 11th Generation Tiger Lake
Processor Model	Core i3-1115G4E
Processor Speed	2.2 GHz, Up to 3.9 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage Type	1x M.2 2280 NVME SSD slot
Storage Support	M.2: 128GB-1TB

Power

Input Voltage Range	9-36V DC
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Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 Pro
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Compatibility

Security Hardware	TPM 2.0
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Expansion Slots

Other	Default 5x Buttons- 1x Emergency-Stop, 1x Blue Button, 1x Red Button, 1x Green Button, and 1x USB 2.0, Optional 1x Key Switch, Optional 3x Black Push Buttons
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Enclosure

Material	Aluminum front bezel and Stainless Steel Swing Arm
IP Rating	IP65
Color	Silver
Mounting Options	Swing Arm, Rittal CP-40

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

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
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External I/O Ports

USB	1x USB 3.2 Type-C, 4x USB 3.2
Serial / Com	1x COM
Serial Protocol Detail	RS-232(Default)/RS-422/RS-485
Ethernet / LAN	1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN
Video Outputs	1x DisplayPort, 1x HDMI
Other Ports	2x Button PINs, 40x PINs to Operator Buttons
Power Input Port	3-Pin DC-In (Phoenix Type)

Thermal & Environmental

Operating Temperature	0°C - 55°C (32°F - 131°F)
Cooling Solution	Passive - Fanless
Humidity Range	0% - 90% Non-condensing

Certification

Certifications	CE, FCC
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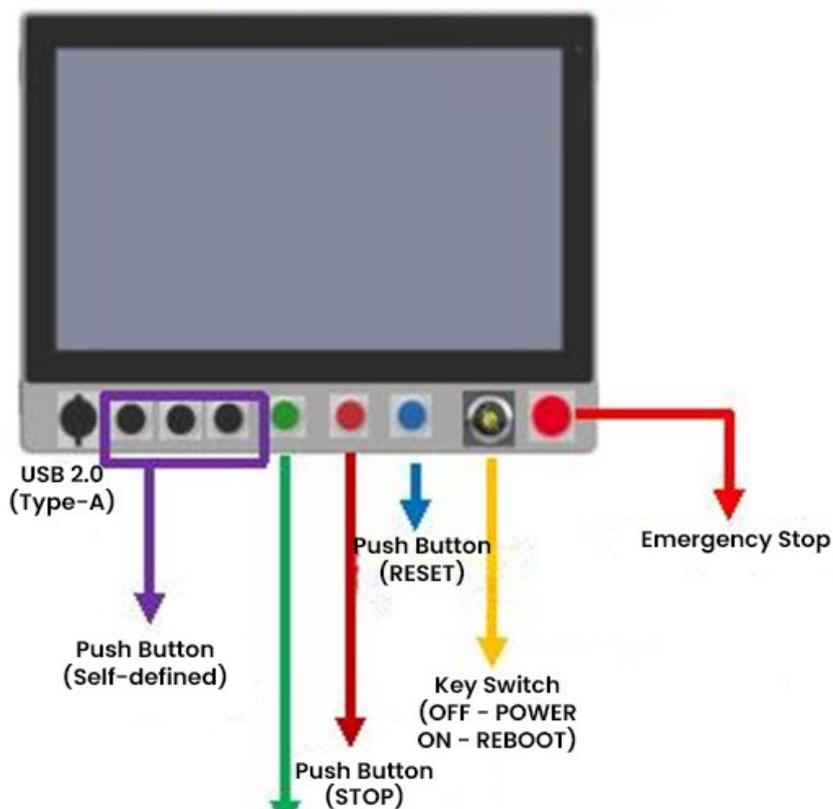
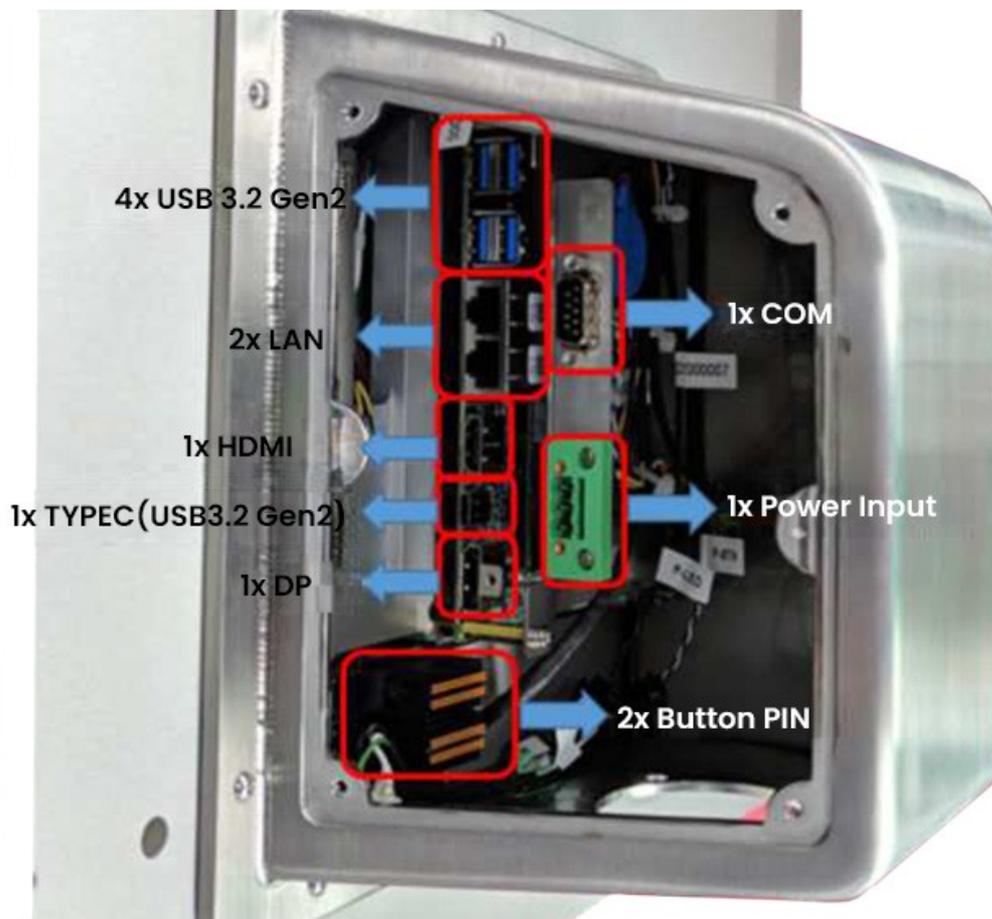
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I/O Diagram Images



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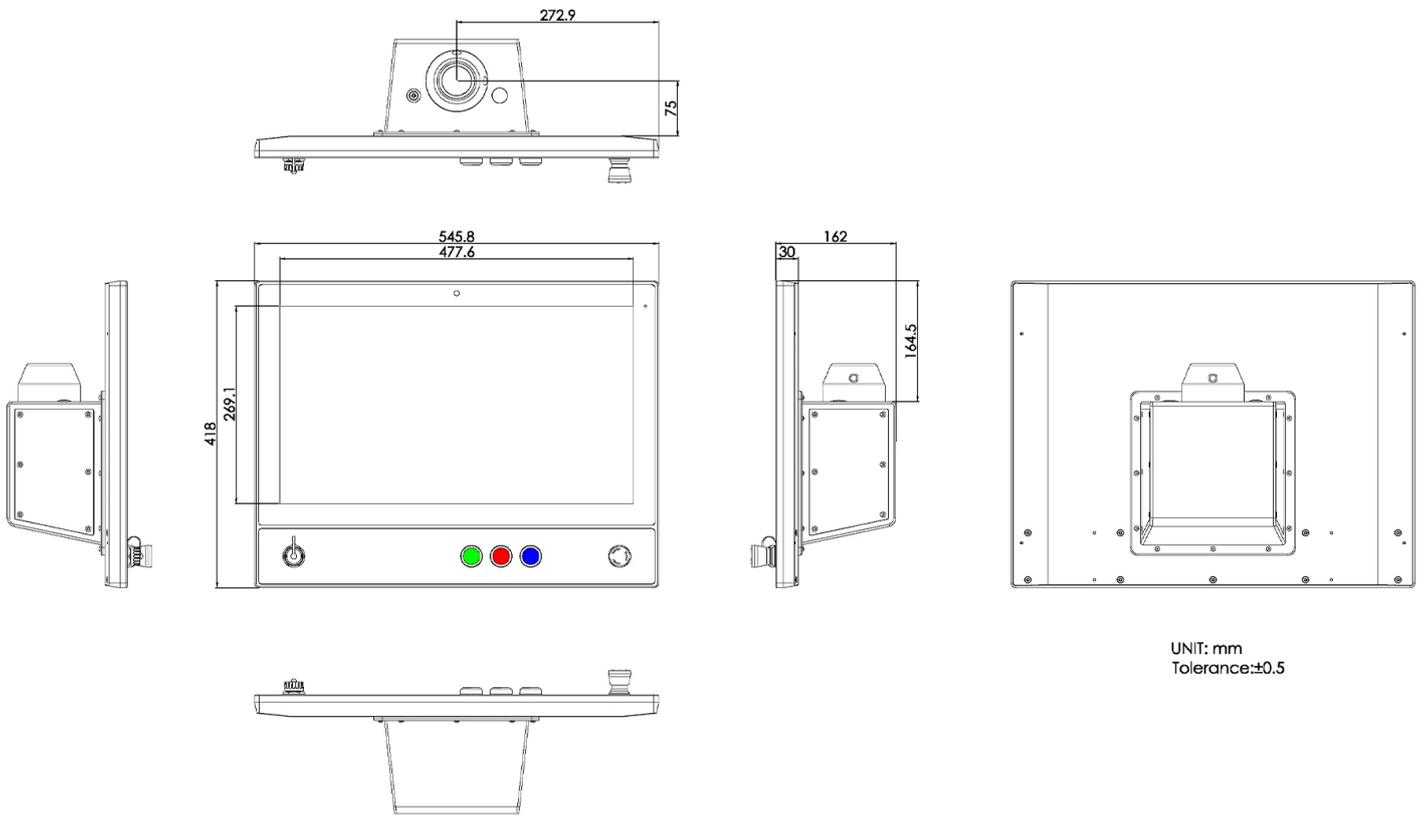
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Tech Diagram Images



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