

TSI-5945-16

16" Operator Interface Terminal



Key Highlights

- 16" 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 16" Operator Interface Terminal integrates an 11th Generation CPU for powerful performance in general manufacturing environments. With an IP65 waterproof rating and five front-facing buttons, it ensures durability and ease of operation, crucial for industrial settings requiring quick equipment control. The TSI-5945 provides versatile installation options, supporting both swing arm and pole mounting and compatible with Rittal mounts. This terminal enhances productivity and safety with its robust features, making it a reliable choice for managing and monitoring equipment in demanding manufacturing operations.

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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	15.6"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	300 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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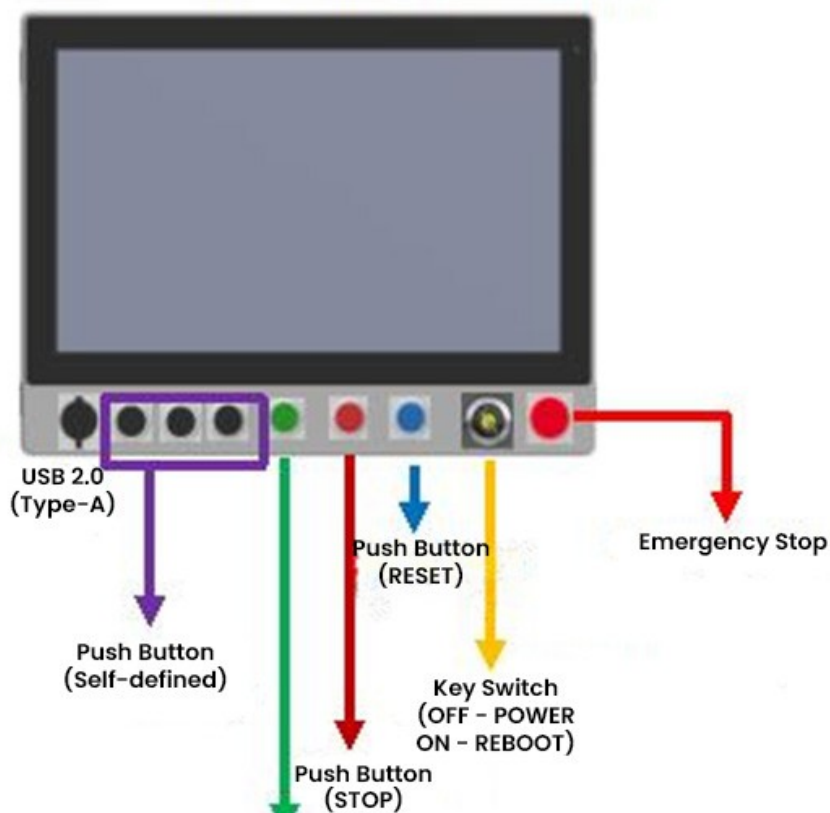
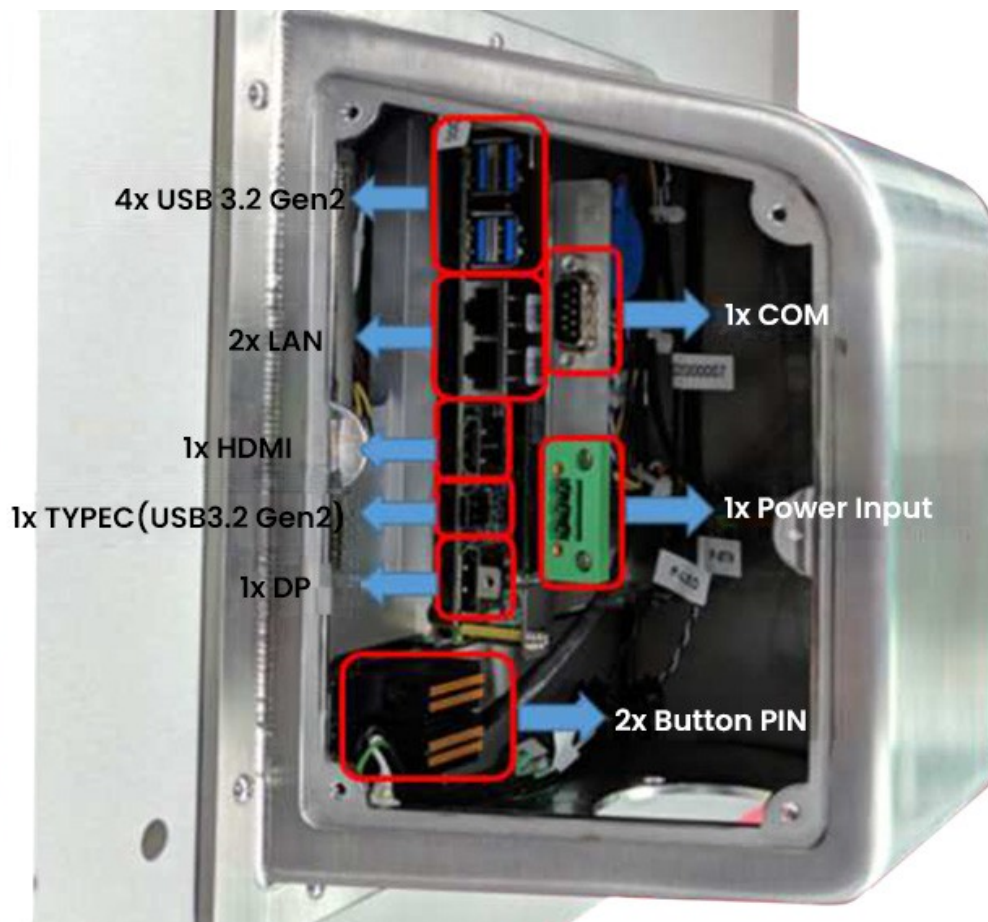
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I/O Diagram Images



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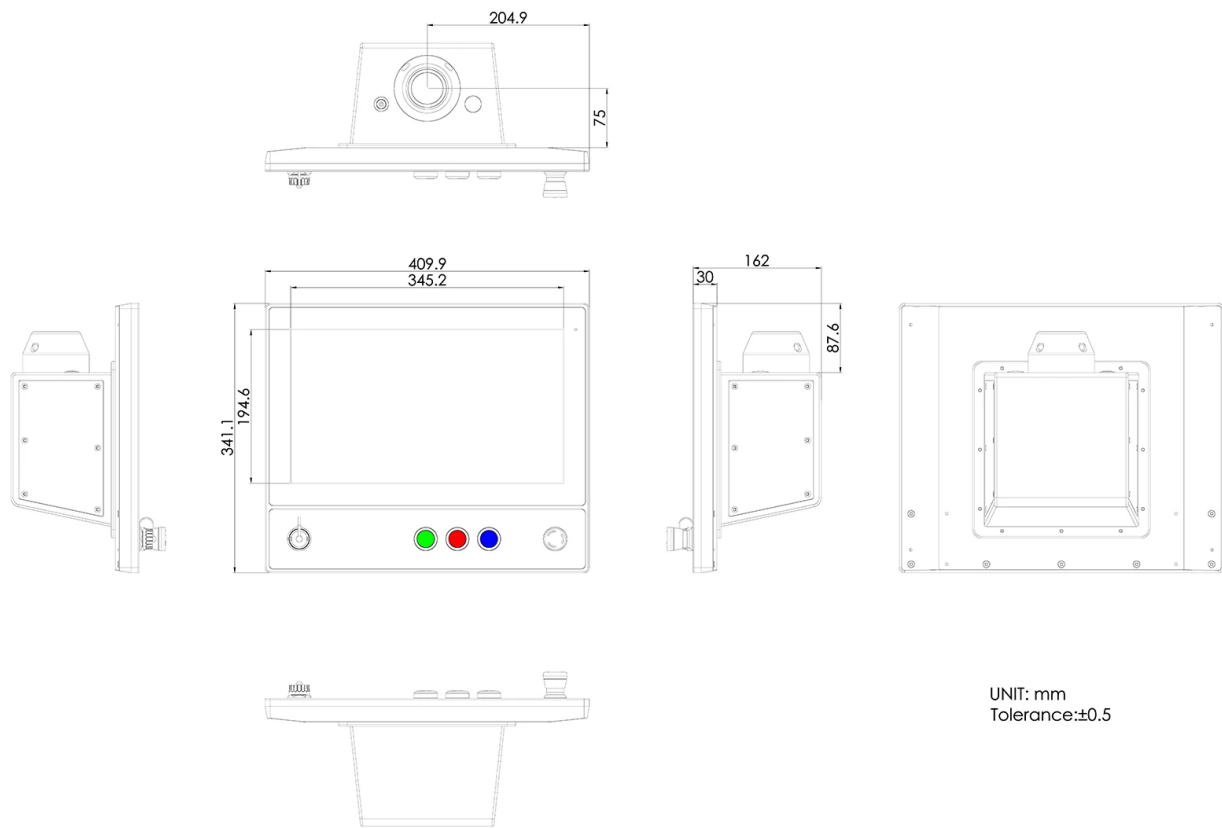
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Tech Diagram Images



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