TEGUAR

TS-5645-17

17" Stainless Steel HMI



Key Highlights

- Intel 8th Generation Core i3 CPU
- Fanless cooling system
- IP66 waterproof rated
- Multiple I/Os including 2x USB 2.0, 1x LAN, and 1x COM
- 17" LCD TFT touchscreen display
- VESA 75 mounting

VIEW ONLINE

The TS-5645-17 Stainless Steel HMI has a fully fanless design and is IP66 waterproof rated. It is encased in a fully sealed, stainless-steel housing, making it ideal for wet environments. Along with M12 waterproof I/O connectors, this unit is ideal in industrial applications where dust, water, or hard chemicals are present. The powerful TS-5645-17 runs on an Intel 8th generation Core i3 CPU with the capability to run Windows 11. Built with industrial-grade components, this computer supports a wide temperature range to allow for placement in a variety of environments.

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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	2.4 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage Type	1x M.2 M Key, PCIe or SATA, 2242 NVME support
Storage Support	M.2: 128GB-1TB

Power

Input Voltage Range	9-36V DC
Max Power Consumption	48W
Standard Power Adapter	Optional IP65 24 V 2.5A AC/DC Adapter

Operating Systems

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

Enclosure

Material	Optional SUS316 Stainless Steel, SUS304 Stainless Steel
IP Rating	IP66 Front Bezel
Mounting Options	VESA Mount

Weight / Dimensions

Weight	8.2 kg (18.1 lbs)
Dimensions	432 x 358 x 55 mm (17.0 x 14.1 x 2.2 in)

Specifications subject to change.

Display

Screen Size	17"
Screen Resolution	1280 x 1024 (SXGA)
Screen Ratio	4:3
Brightness	350 nits, Optional 1000 nit High Brightness

Touch Screen

Touch Screen	Projected Capacitive, Resistive

External I/O Ports

USB	1x M12 8Pin for USB 1/2, 2x USB 2.0
Serial Protocol Detail	1x RS-232/422/485 DB-9, default RS-232
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN
Video Outputs	1x DisplayPort, 1x HDMI
Other Ports	1x M12 type 3-PIN DC-in

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% – 90% Non-condensing

Certification

Certifications	CE, FCC Class A

Warranty

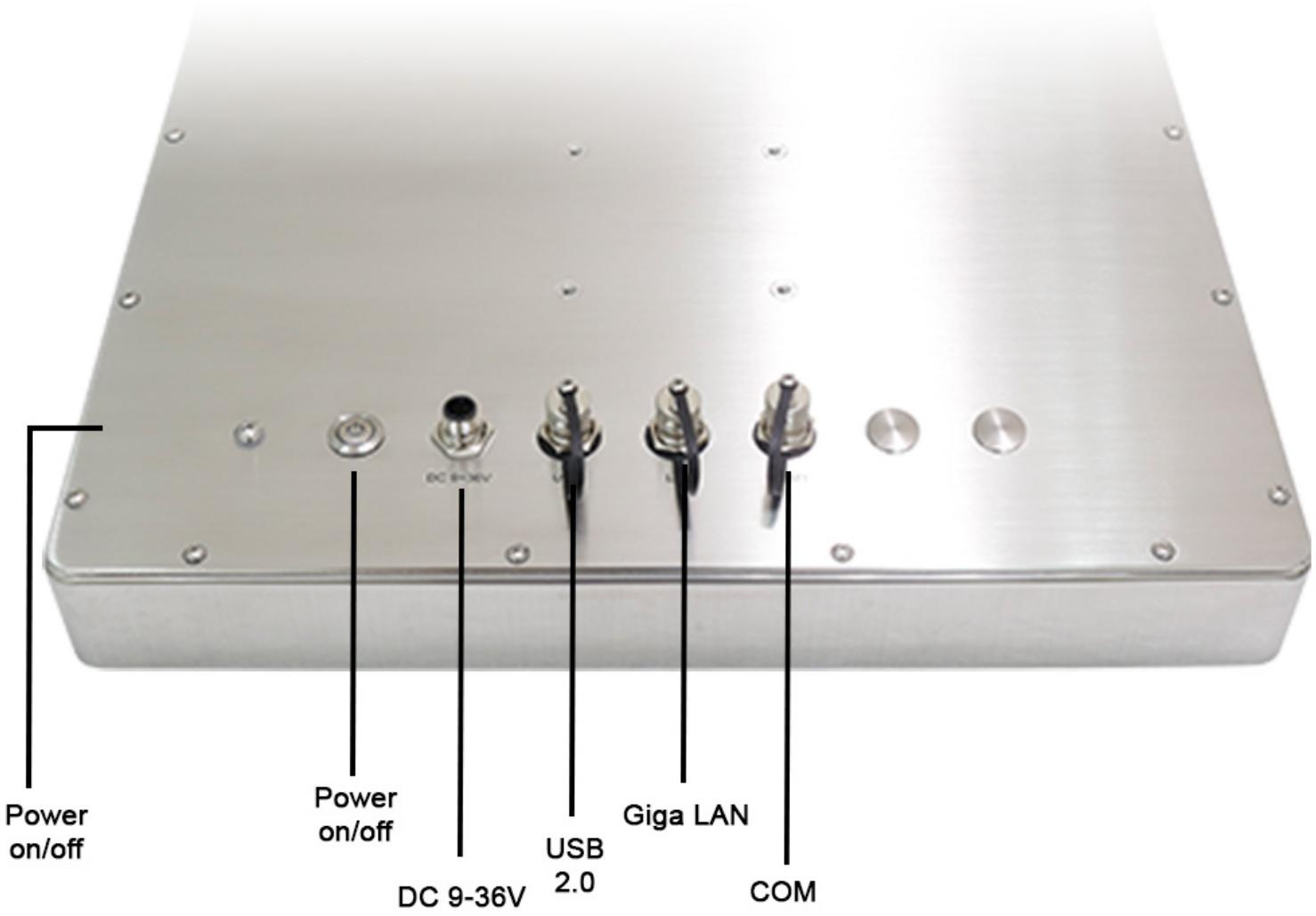
Warranty	1 Year

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I/O Diagram Images

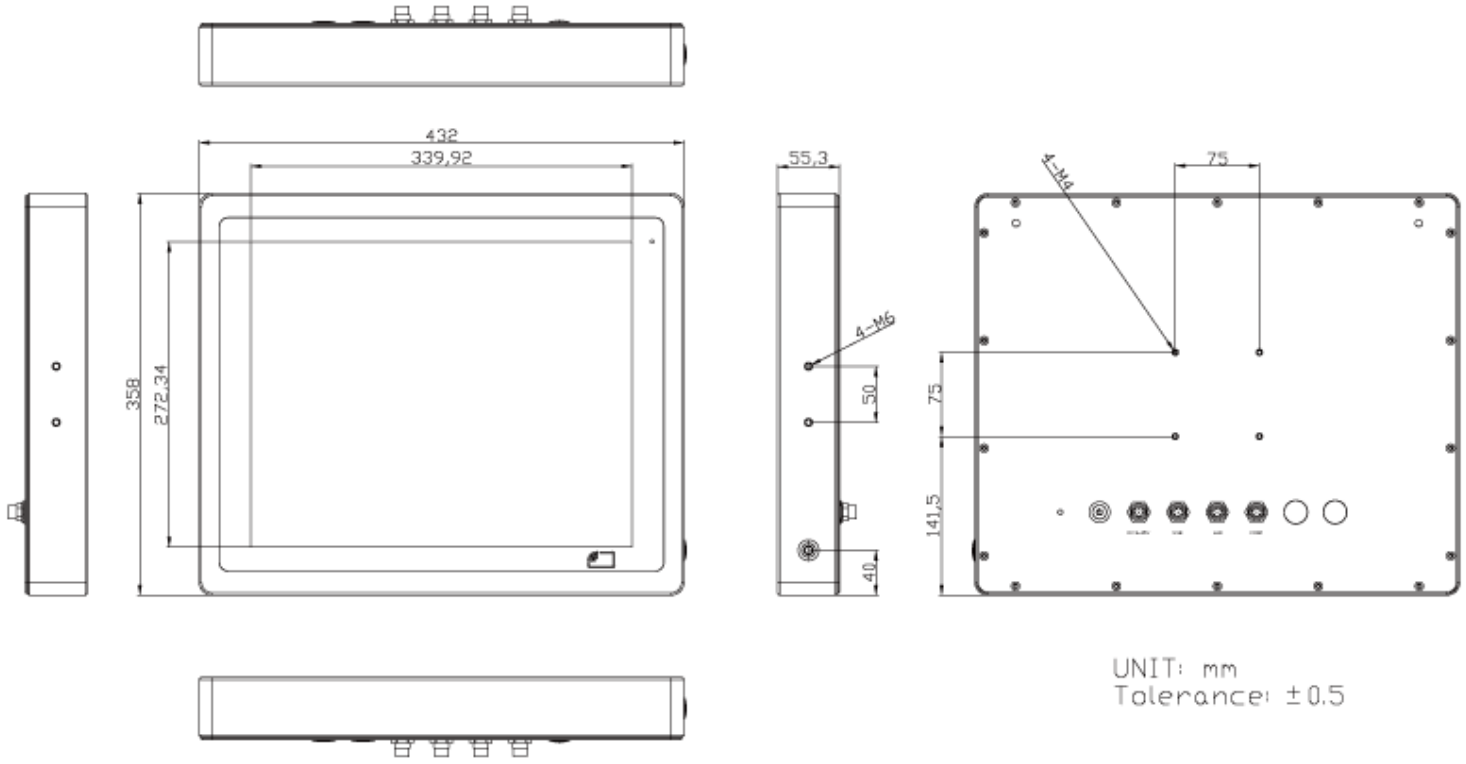


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Tech Diagram Images



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