TEGUAR

TS-5645-19

19" Stainless Steel HMI



Key Highlights

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

VIEW ONLINE

The TS-5645-19 Stainless Steel HMI runs on a powerful Intel 8th generation Core i3 processor and has the capability to operate with Windows 11. The computer is encased in a fully sealed stainless-steel housing, making it ideal for wet environments. The fanless cooling system and IP66 rating ensure no dust, debris, water or harsh chemicals get into the unit. M12 waterproof I/O connectors also protect the inputs and outputs from potential moisture. The TS-5645-19 is built with industrial-grade components and 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	2x 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

Operating Systems

Windows	Windows 10 IoT, Windows 11, Windows 11 Pro

Compatibility

Security Hardware	fTPM 2.0

Enclosure

Material	SUS304 Stainless Steel
IP Rating	IP66 Front Bezel
Color	Silver
Control Buttons	Power Button, Touchscreen Lock for Cleaning
Mounting Options	VESA Mount

Certification

Certifications	CE, FCC Class A

Display

Screen Size	19"
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
Serial Protocol Detail	1x RS-232/422/485 DB-9, default RS-232
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN
Video Outputs	1x Optional DisplayPort, 1x Optional 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

Weight / Dimensions

Weight	9.5 kg (20.9 lbs)
Dimensions	432 x 358 x 55 mm (17.0 x 14.1 x 2.2 in)

Warranty

Warranty	1 Year

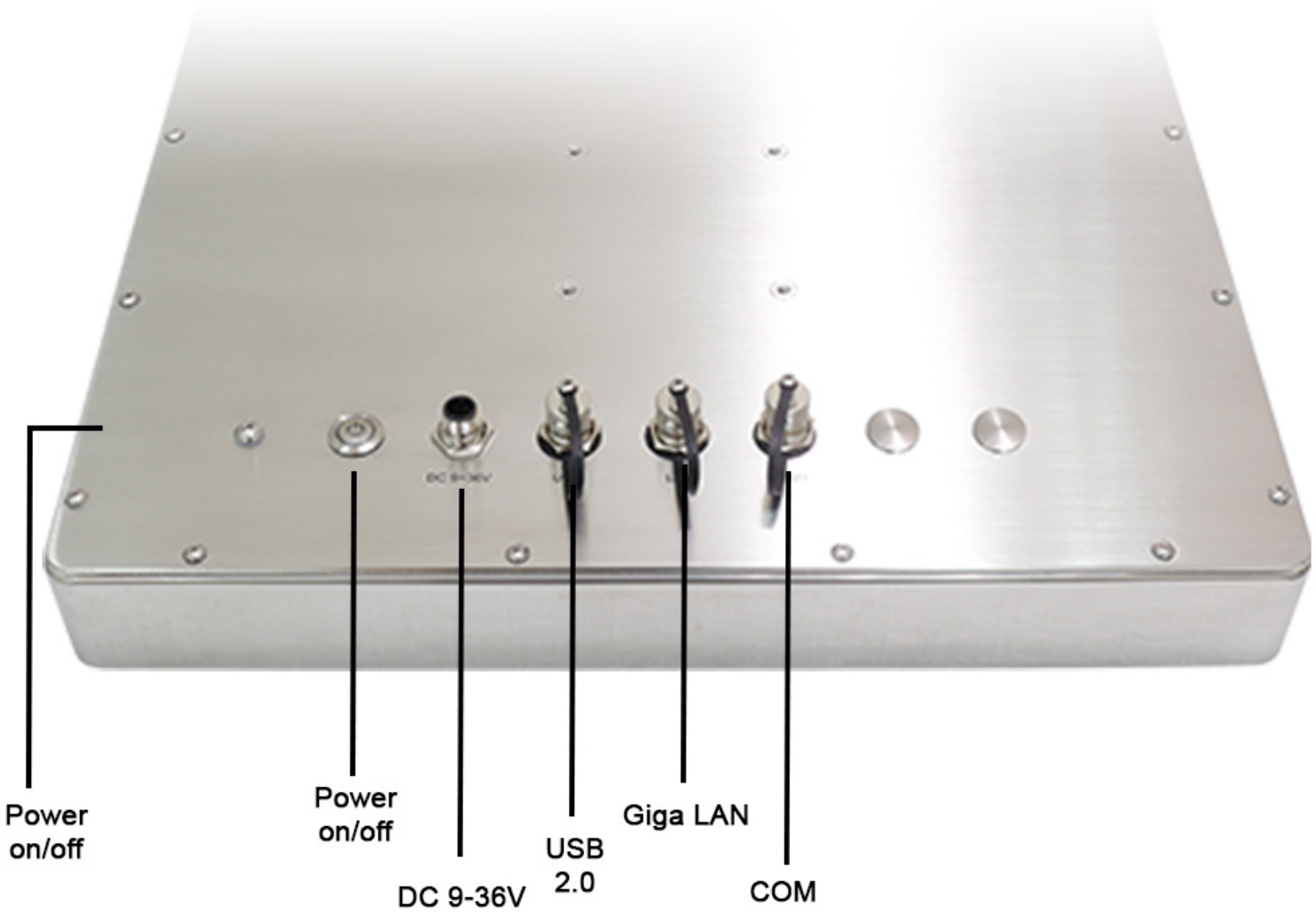
Specifications subject to change.

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I/O Diagram Images

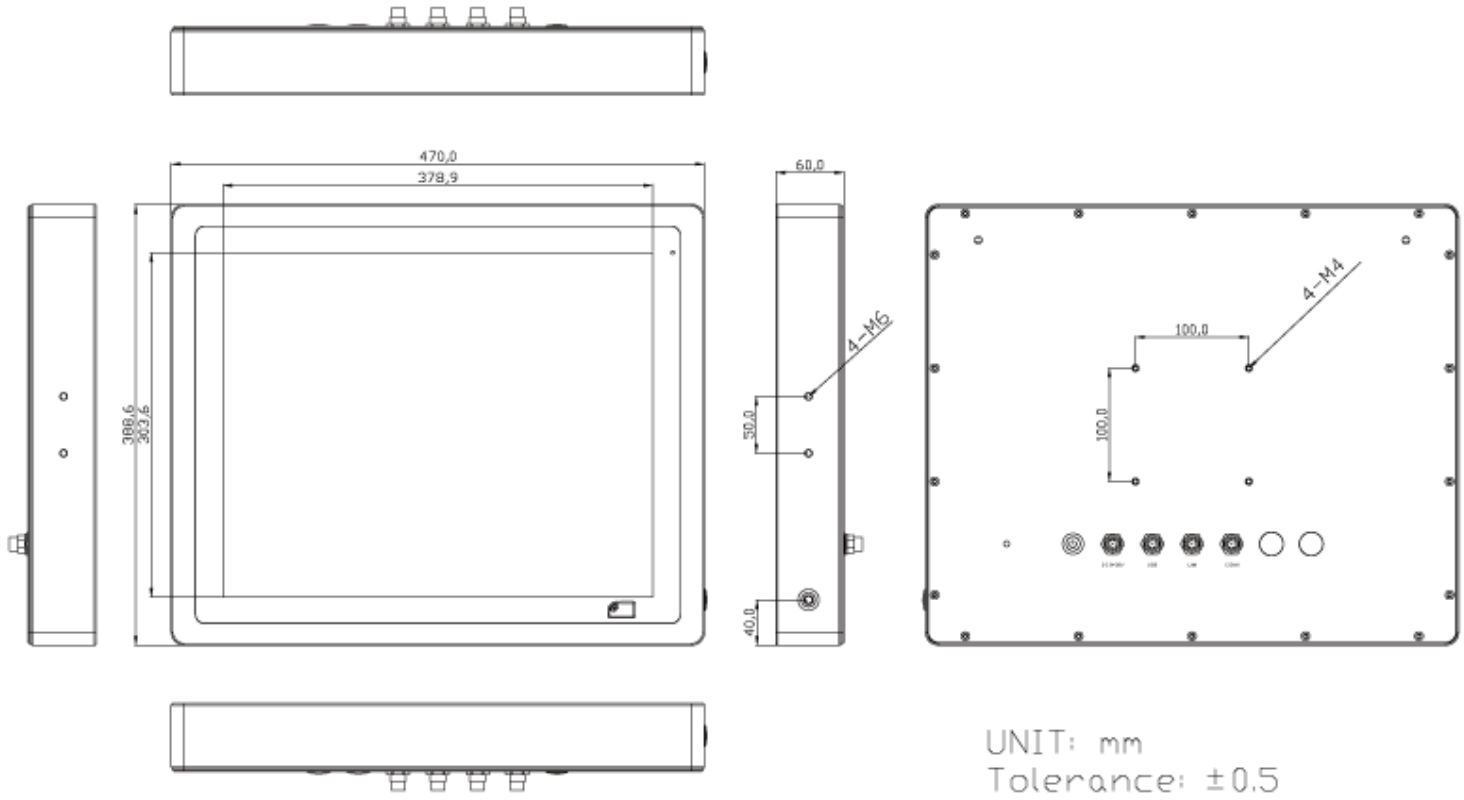


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Tech Diagram Images



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