

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.

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	2.4 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

Specifications subject to change.

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)

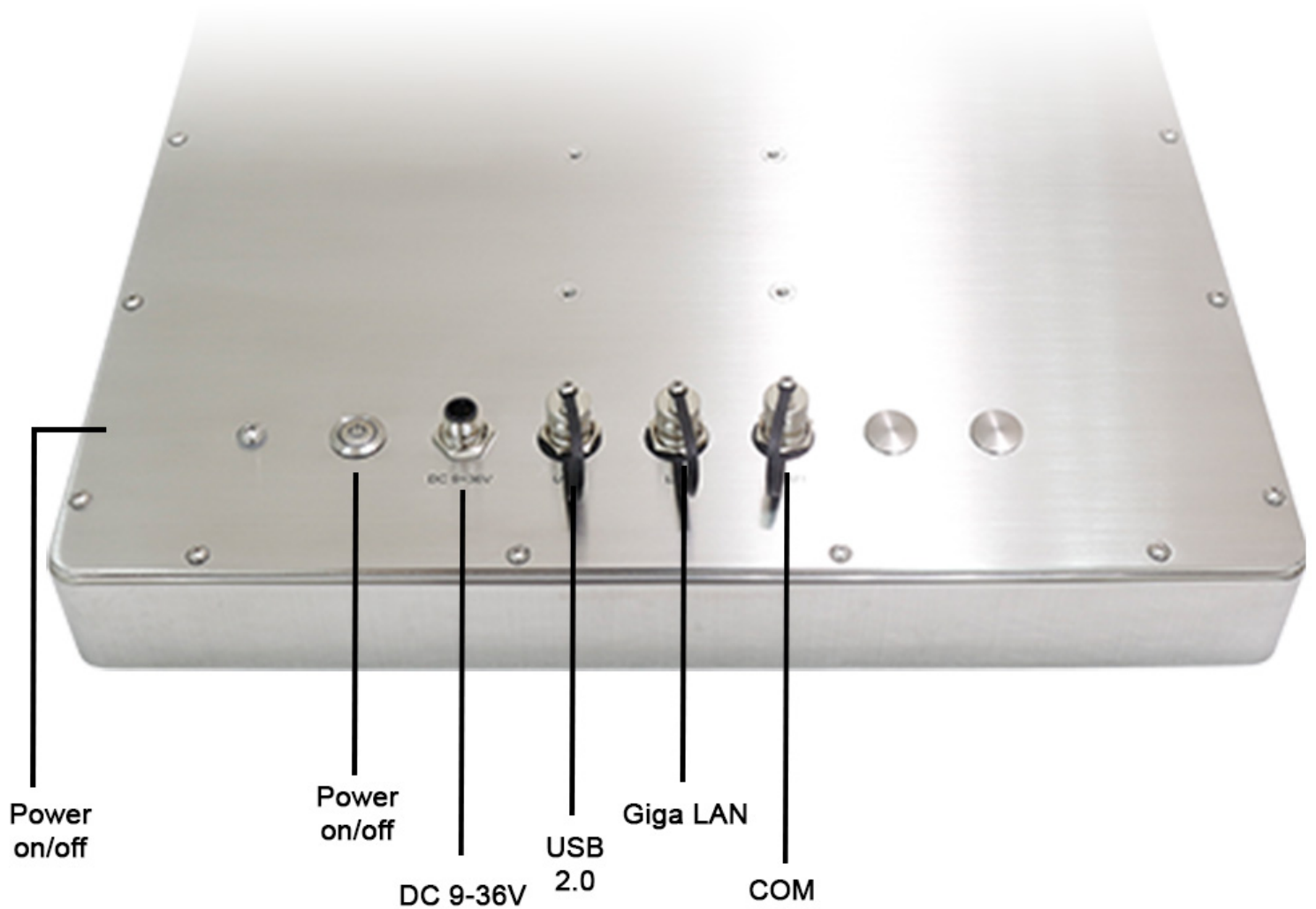
Warranty	
Warranty	1 Year

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I/O Diagram Images



USA

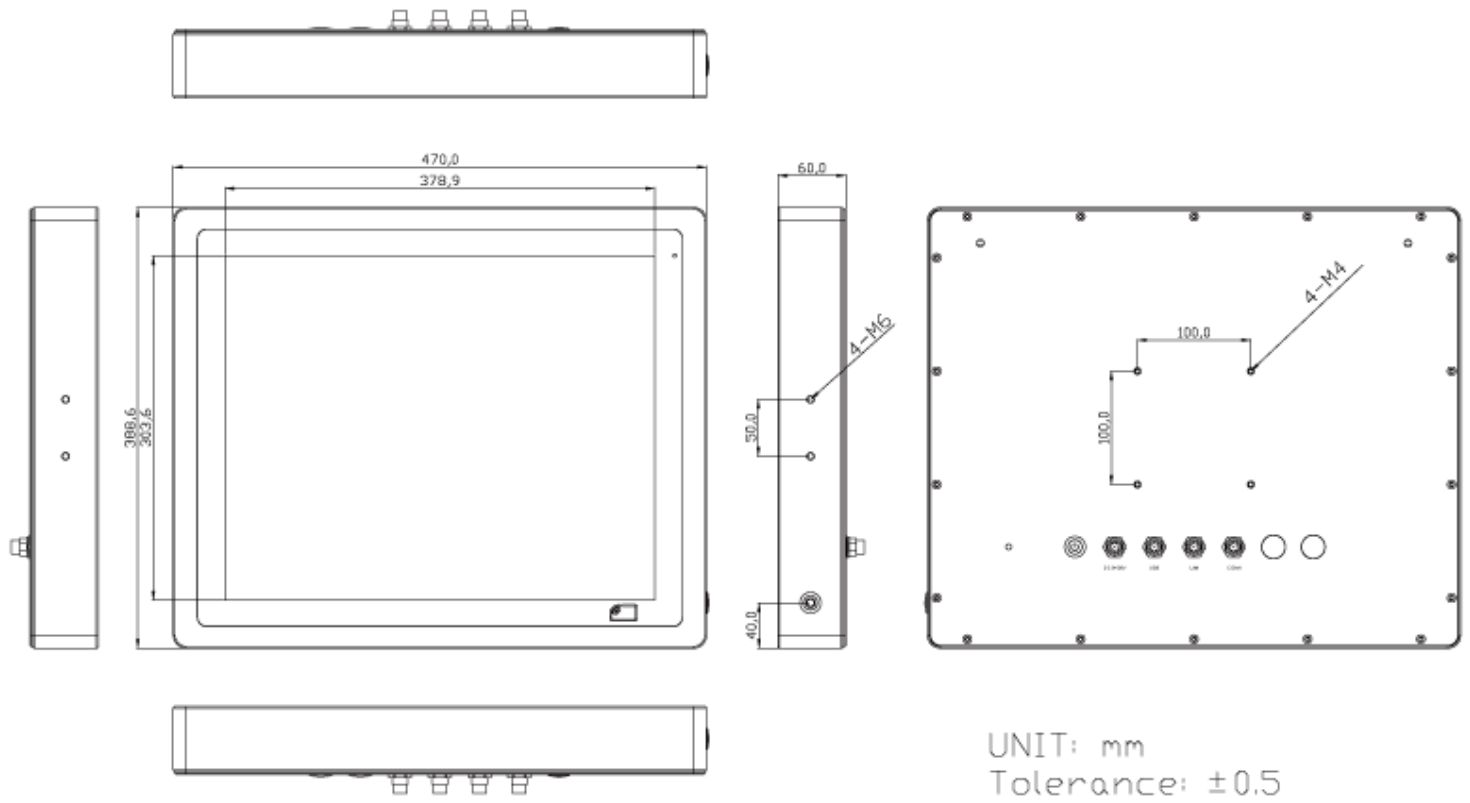
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