

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.

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	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

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"
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 MI2 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 MI2 8pin RJ45 Gbe LAN
Video Outputs	1x DisplayPort, 1x HDMI
Other Ports	1x MI2 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

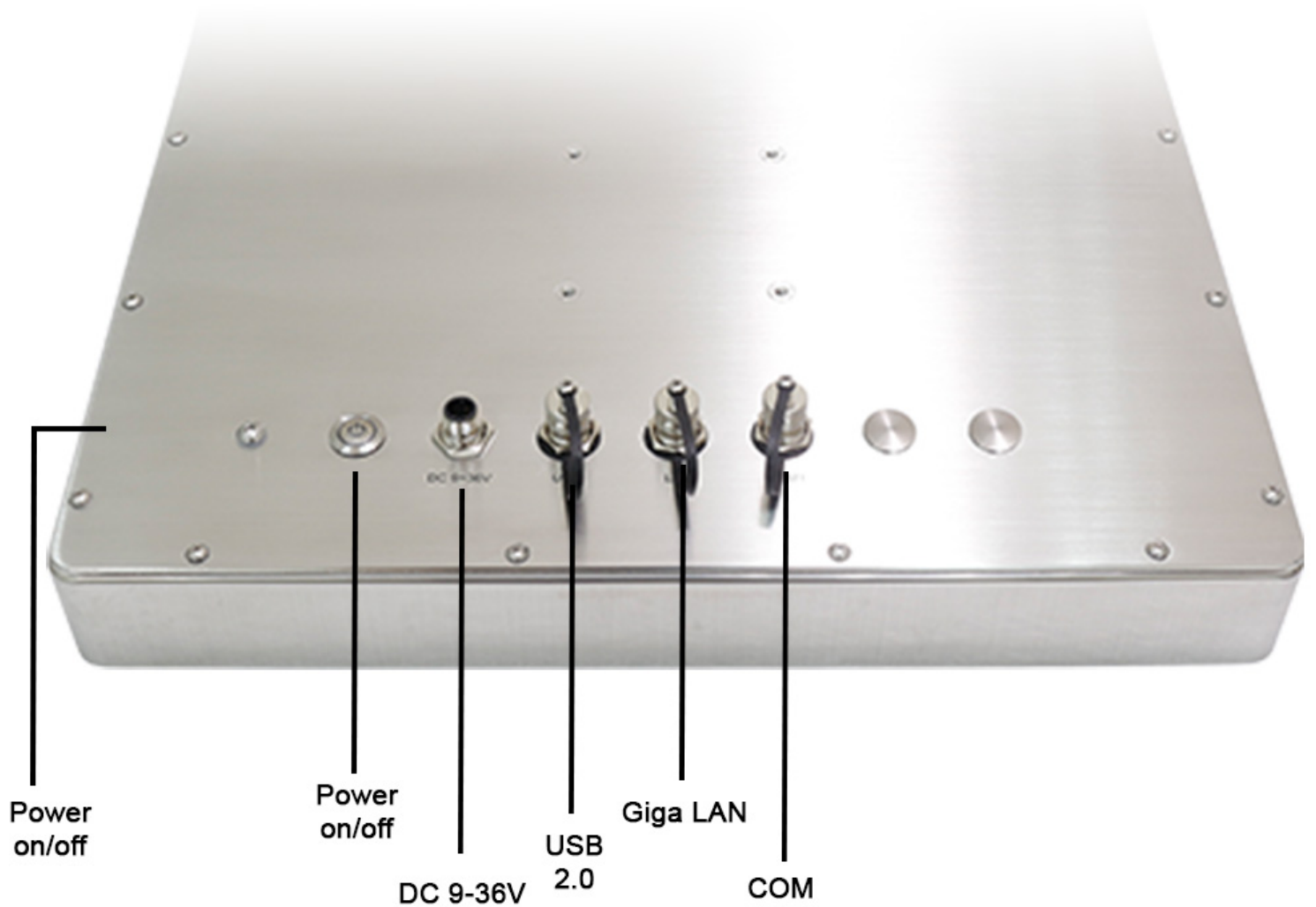
Warranty	
Warranty	1 Year

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

I/O Diagram Images



USA

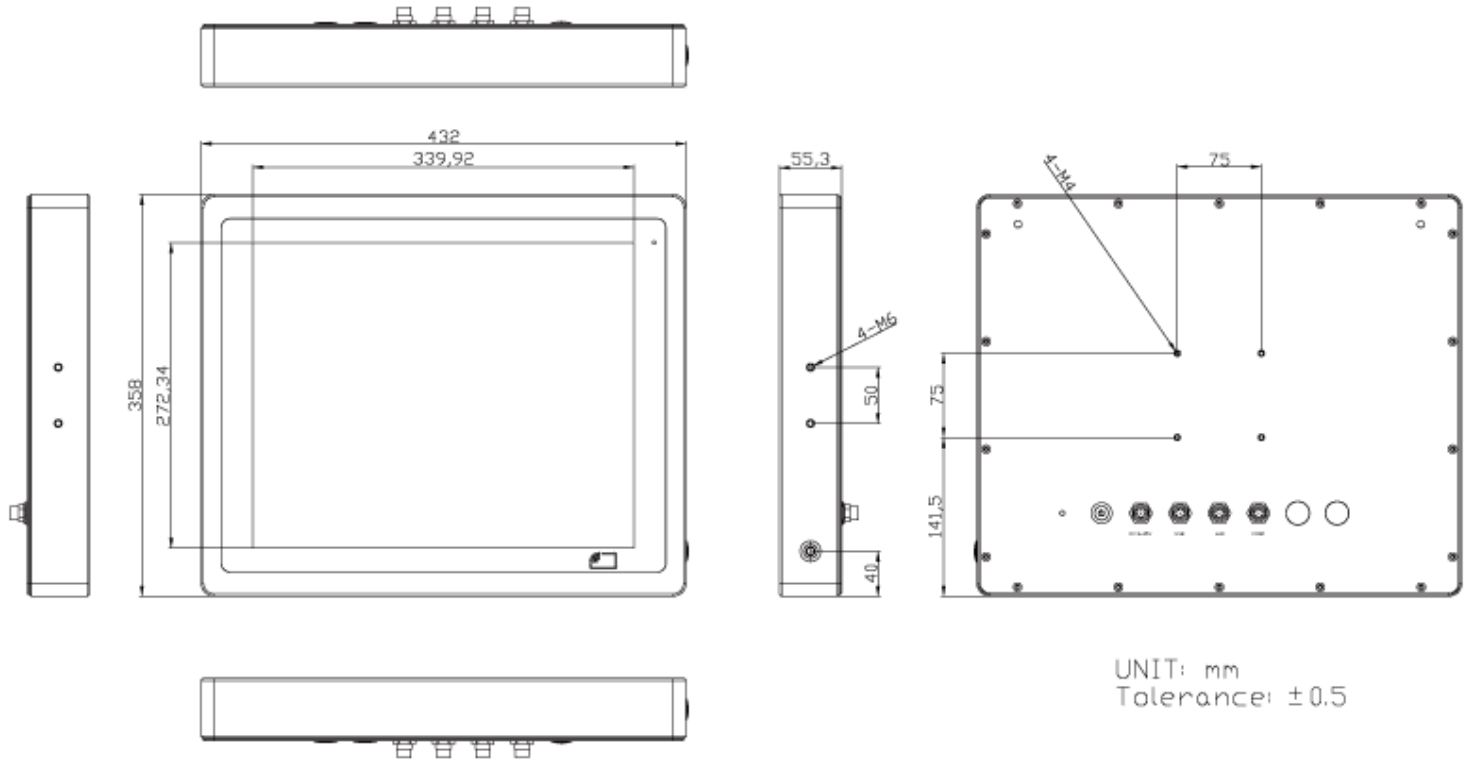
Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

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



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