

# 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

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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
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## Operating Systems

Windows	Windows 10 IoT, Windows 11 IoT, Windows 11 Pro
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## Compatibility

Security Hardware	fTPM 2.0
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## 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
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*Specifications subject to change.*

## Display

Screen Size	19
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
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## External I/O Ports

USB	1x MI2 8Pin for USB 1/2
Serial Protocol Detail	1x RS-232/422/485 DB-9, default RS-232
Ethernet / LAN	1x MI2 8pin RJ45 Gbe LAN
Video Outputs	1x Optional DisplayPort, 1x Optional 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

## 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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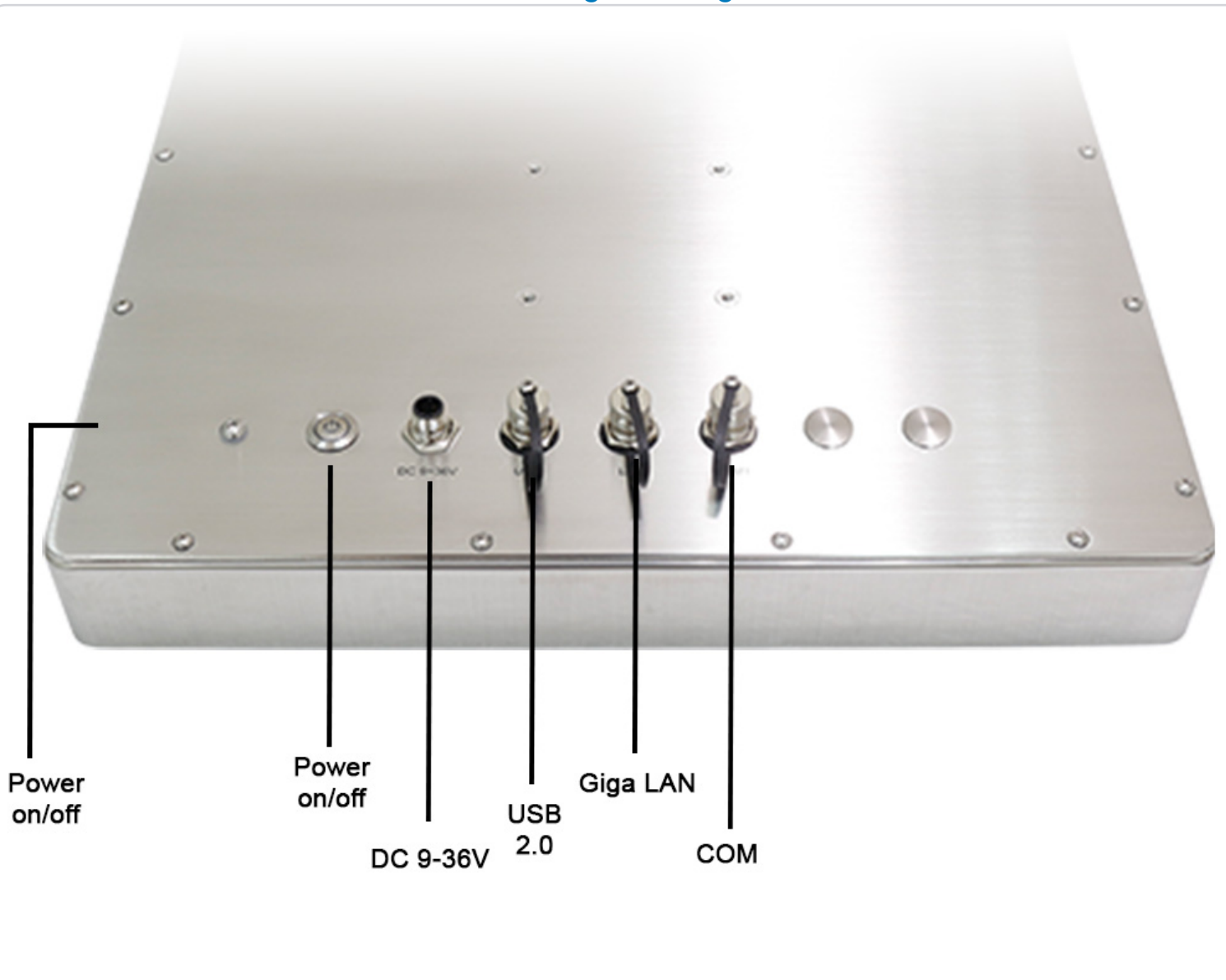
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## I/O Diagram Images



### USA

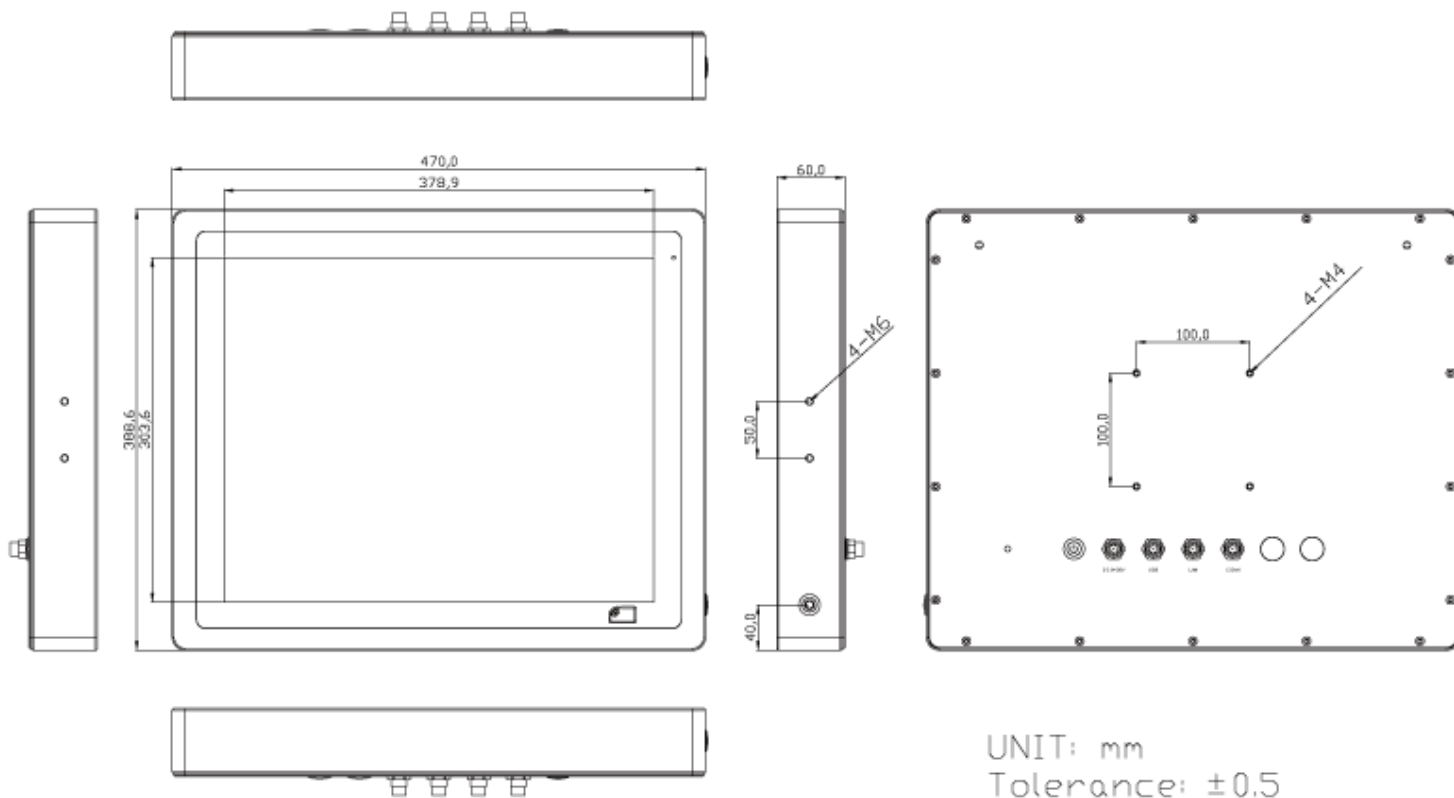
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