TEGUAR

Features

- 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

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

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

Power

Input Voltage Range	9-36V DC

Operating Systems

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

Compatibility

| Security Hardware | fTPM 2.0 |

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

Enclosure

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

Weight / Dimensions

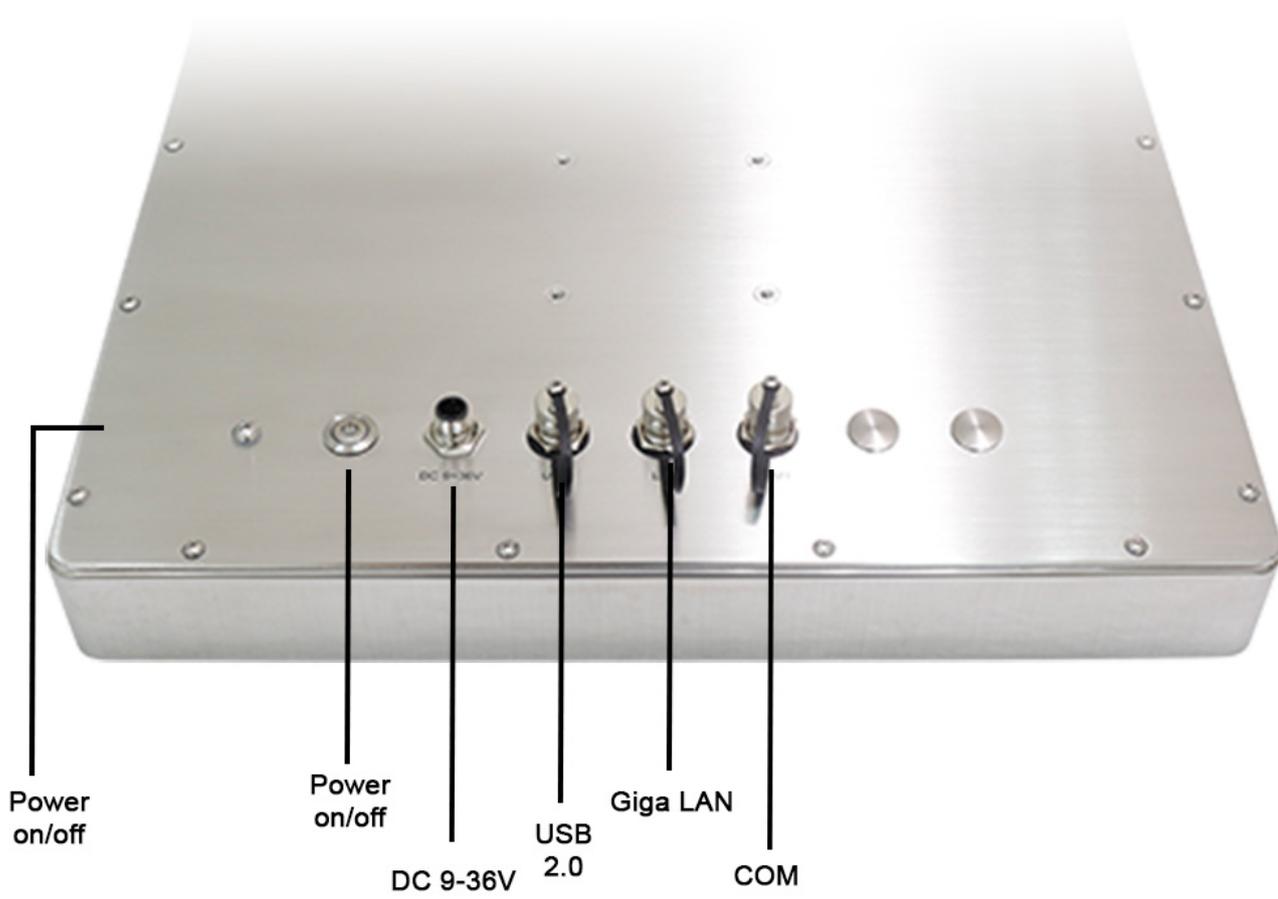| Weight | 9.5 kg (20.9 lbs) |
| Dimensions | 432 x 358 x 55 mm (17.0 x 14.1 x 2.2 in) |

Certification

| Certifications | CE, FCC Class A |

Warranty

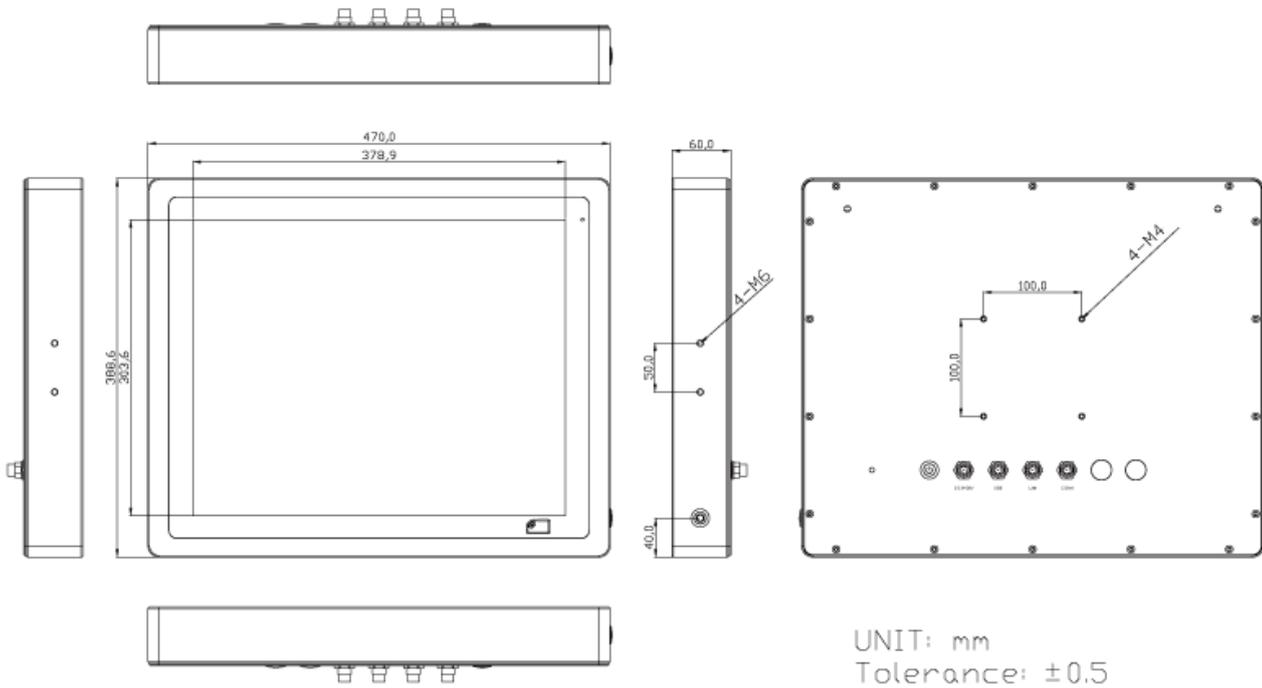| Warranty | 1 Year |

I/O Diagram Images

Power on/off

Power on/off

DC 9-36V

USB 2.0

Giga LAN

COM

Tech Diagram Images

UNIT: mm
Tolerance: ±0.5

All specifications are subject to change without notice.