TEGUAR

TS-4010-19

19" Stainless Steel Waterproof PC



Key Highlights

- 19" 5:4 Ratio Touchscreen
- Intel Celeron Quad Core Processor
- NEMA 4X / IP66 / IP69K Stainless Steel Enclosure
- Fully Sealed and Truely Fanless Design
- M12 Metal I/O Connectors

VIEW ONLINE

The TS-4010-19 is an IP69K rated computer designed to be placed in pharmaceutical or food and beverage industry environments. This waterproof PC can withstand airborne particles and washdowns with hot water and high pressure sprays. The TS-4010-19 is manufactured with industrial grade components and has connectors made with M12 anti-corrosion metal. The Intel quad core processer is designed to work with software frequently used in the food and beverage industries such as ERP software and other software types where consistent live tracking of data is needed. The TS-4010-19 has a fully flush screen, a very thin profile. The I/Os are tucked neatly under the enclosure which reduces cord management space needed. The TS-4010-19 provides you with a clear, elegant computer hardware solution in dirty and rugged environments.

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Technical Specifications

Primary Components

Processor Family	Intel Celeron Bay Trail
Processor Model	J1900 Quad Core
Processor Speed	2.0 GHz
Memory Type	2x DDR3L SO-DIMM
Memory Support	2GB, 4GB, 8GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD
Storage Support	32GB-1TB

External I/O Ports

USB	2x M12 8Pin for USB 1/2 and USB 3/4
Serial / Com	2x M12 8-pin for COM
Serial Protocol Detail	RS-232
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN
Power Input Port	M12 type 5-PIN DC-in

Compatibility

Security Hardware	Optional TPM 2.0

Thermal & Environmental

Operating Temperature	0°C - 40°C (32°F – 104°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless
Humidity Range	10% – 90% Non-condensing
Storage Humidity	10% – 90% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Optional Bluetooth kit and WLAN with External Antenna

Certification

Certifications	CE, FCC Class A, VCCI

Warranty

Warranty	Up to 5 Years

Display

Screen Size	19"
Resolution	1280 x 1024 (SXGA)
Screen Ratio	5:4
Brightness	350 nits

Touch Screen

Touch Screen	5 Wire Resistive
Hardness	Resistive: 4H, P-cap: 7H

Power

Input Voltage Range	7-32V DC
Max Power Consumption	35W
Standard Power Adapter	AC 100~240V / 47 ~ 63 Hz, IP68, 60W

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 7 Pro

Expansion Slots

Video Card Support	Intel HD Graphics

Enclosure

Material	SUS304 Stainless Steel
IP Rating	IP66, IP69K, NEMA 4X, Optional IP67
Color	Stainless Steel
Control Buttons	Power Button, Power Reset
Mounting Options	Table Mount, VESA 100 Mount, Wall Mount
Approved Cleaning Solutions	Acetic Acid (low concentration), Ammonium Nitrate (low concentration), Benzine, Citric Acid (low concentration), Ethanol, Ethylene Glycol Solution (1:1 with water), Hexane, Hydrochloric Acid (low concentration), Iron Chloride Solution, Isooctane, Isopropyl Alcohol, Nitric Acid (low concentration), Paraffin, Perhydrol (30% in water), Phosphoric Acid (low concentration), Propane, Silicone Oil, Sodium Carbonate (low concentration), Sodium Chloride Solution, Sodium Nitrate (low concentration), Sulfuric Acid (low concentration), Triethylene Glycol

Weight / Dimensions

Weight	11 kg (24.3 lbs)
Dimensions	458 x 64 x 386 mm (18.0 x 2.5 x 15.2 in)

Specifications subject to change.

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I/O Diagram Images

I/O Diagram Images 0

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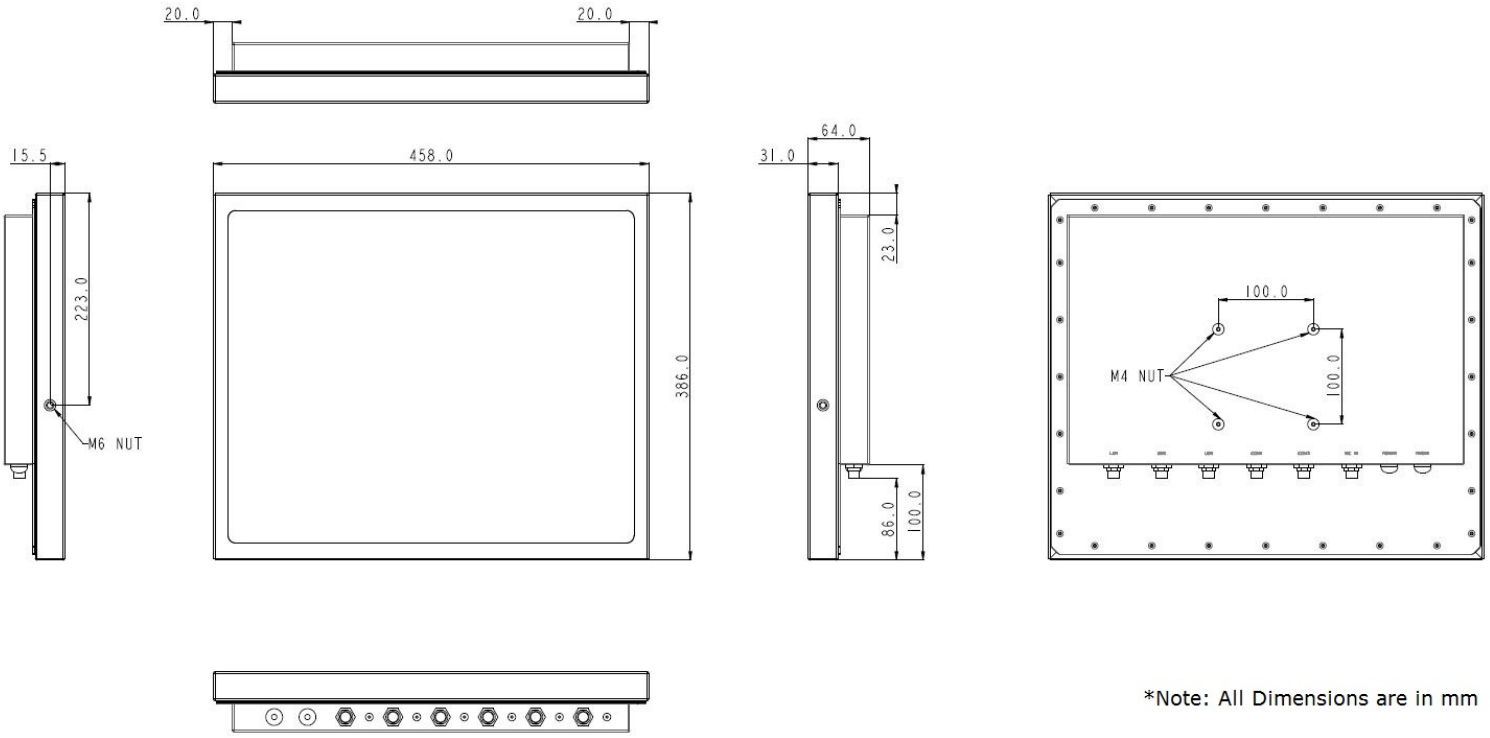
Tech Diagram Images



*Note: All Dimensions are in mm

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