TEGUAR

TS-4510-19

19" Sealed Computer



Key Highlights

- 19" Full-Flat Touchscreen
- Intel Apollo Lake J3455 Celeron CPU
- IP66 / IP69K and Optional IP67
- Fanless and Fully Sealed
- M12 Metal Waterproof Connectors

VIEW ONLINE

The TS-4510-19 has a 19" resistive or Pcap touchscreen and a full flat front bezel, meaning there are no crevices where debris and dirt can build up. The housing of this computer is fully sealed and made with corrosion-proof stainless steel. The TS-4510-19 is designed for food processing and repeated cleanings in washdown environments. It carries an IP66 / IP69K rating and has the option to be configured for IP67. This PC has 6x M12 I/O ports that seal out water and it comes with an IP68 rated power supply.

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 Celeron Apollo Lake
Processor Model	J3455 Quad Core
Processor Speed	1.5 GHz
Memory Type	1x DDR3L SO-DIMM
Memory Support	4GB, 8GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD, M.2
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	1x RS-232, 1x RS-232/422/485
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN
Power Input Port	M12 type 5-PIN DC-in

Compatibility

Security Hardware	Optional TPM 2.0

Multimedia

Speakers	Optional Speakers

Enclosure

Material	Optional SUS316 Stainless Steel, SUS304 Stainless Steel
IP Rating	IP66, IP69K, NEMA 4X, Optional IP67
Color	Stainless Steel
Control Buttons	Power Button
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, 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)

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

Screen Size	19"
Screen Resolution	1280 x 800 (WXGA)
Screen Ratio	5:4
Brightness	350 nits, Optional 1000 nit High Brightness

Touch Screen

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

Power

Input Voltage Range	9-32V DC
Max Power Consumption	43W
Standard Power Adapter	AC 100~240V / 47 ~ 63Hz, IP68, 60W

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro
Linux	Linux (Contact your sales rep for more information)

Expansion Slots

Internal M.2	1x M.2 Type E

Thermal & Environmental

Operating Temperature	0°C ~ 45°C (32°F ~ 113°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 WiFi + Bluetooth Flat Antenna Kit
Bluetooth	Optional Bluetooth 4.0
Barcode Scanner	Optional 1D/2D Barcode Scanner

Certification

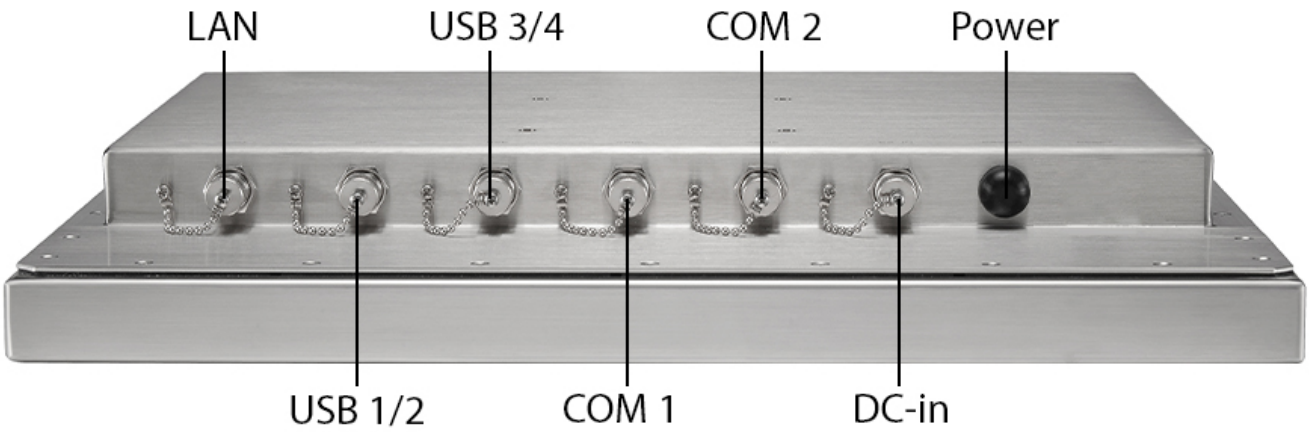
Certifications	CE, FCC, VCCI Class B

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

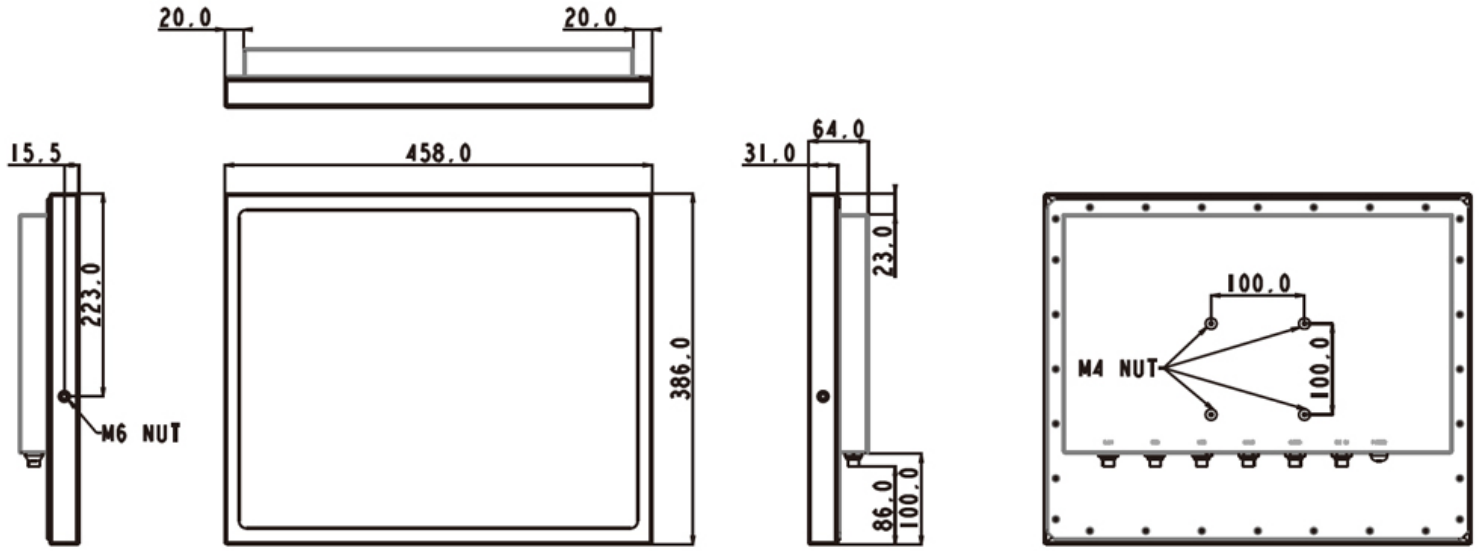


USA
Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

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

Tech 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