TEGUAR

TR-5520-10

10" Rugged Computer



Key Highlights

- 10.4" 5-Wire Resistive Touchscreen
- 7th Gen. Kaby Lake Intel Core i5 Processor
- Anti-Corrosion Aluminum Housing
- IP65 Dust/Waterproof (I/O Ports Excluded)
- Wide Range 9 to 36V DC Input with Isolation (Optional 6-60V)
- MIL-STD-810F/G and IEC60068-2-27 Anti-Shock and Vibration

VIEW ONLINE

The TR-5520-10 Rugged PC can perform in the toughest environments. This computer features a 7th Gen. Intel Core i5 processor and is protected by rugged aluminum housing. The anti-corrosion housing is IP65 water and dust proof (excluding the I/O ports) and complies with Military Standard 810F/G, so it can withstand shock and vibrations. This PC also complies with EN50155 for EMC, ideal for usage on railways. The TR-5520-10 has a 5-wire resistive touchscreen with optional anti-reflective protection glass, ensuring maximum visibility of the unit. With its fanless design, wide operating temperature (-25 °C to 55 °C), and an abundance of I/Os, this PC is ready to go anywhere.

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 7th Generation Kaby Lake
Processor Model	Core i5-7200U
Processor Speed	2.5 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB
Storage Type	M.2
Storage Support	64GB (Standard), up to 256GB (Optional)

Power

Max Power Consumption	32W

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro

Compatibility

Security Hardware	TPM 2.0

Thermal & Environmental

Operating Temperature	-25°C - 55°C (-13°F – 131°F)
Storage Temperature	-30°C - 70°C (-22°F – 158°F)
Cooling Solution	Passive – Fanless
Humidity Range	10% – 95% Non-condensing

Weight / Dimensions

Weight	3.3 kg (7.3 lbs)
Dimensions	315 x 250 x 67 mm (12.4 x 9.8 x 2.6 in)

Certification

Certifications	CE, EN50155 EMC, FCC Class B

Specifications subject to change.

Display

Screen Size	10.4"
Screen Resolution	1024 x 768 (XGA)
Screen Ratio	4:3
Brightness	350 nits

Touch Screen

Touch Screen	5 Wire Resistive

External I/O Ports

USB	2x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	1x RS-232/422/485 (Select by BIOS) , 1x RS-232
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x HDMI
Power Input Port	DC-in Jack with Isolation (Phoenix Type)

Enclosure

Material	Anti-Corrosion Painted
IP Rating	IP65 Front Bezel
Color	Blue
Led Indicator Light	HDD Access, Power
Control Buttons	Brightness Down, Brightness Up, Power Button, Power Reset
Shock Rating	Operating: 30g for 18ms, 300m/s2
Mounting Options	VESA Mount
Approved Cleaning Solutions	Acetone, Alcohol, Club Soda, Hydrochloric Acid, Methyl Alcohol, Mineral Spirits, Nitric Acid, Sulfuric Acid (low concentration), Vinegar, Warm Water

Warranty

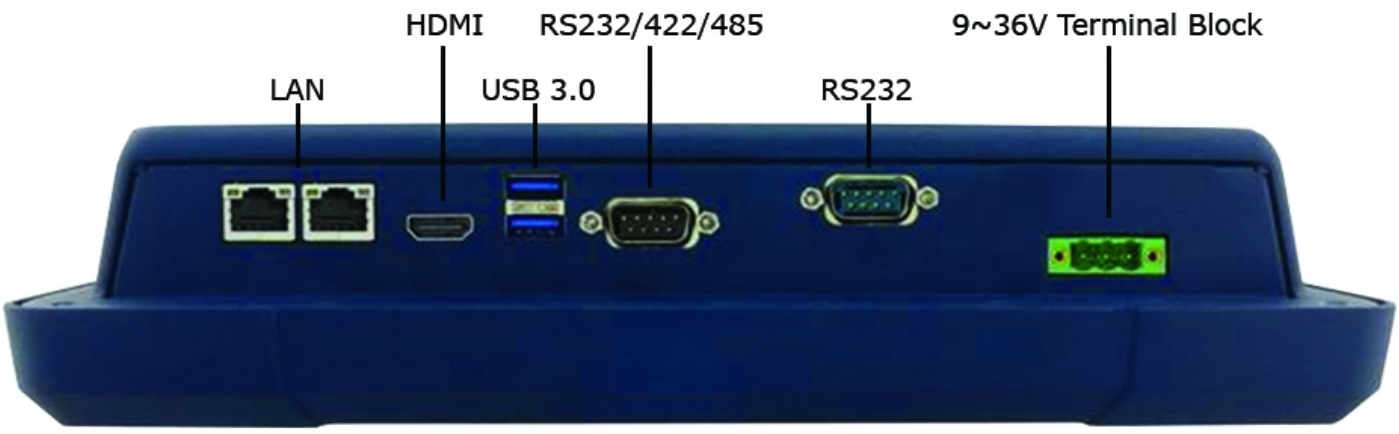
Warranty	Up to 5 Years

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I/O Diagram Images

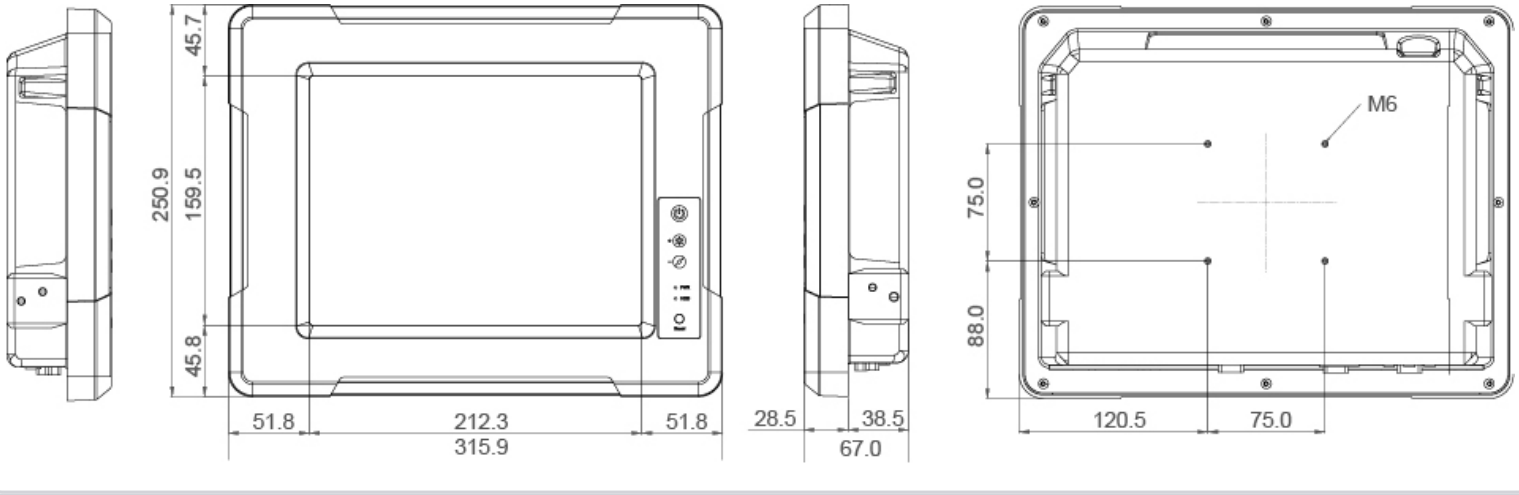


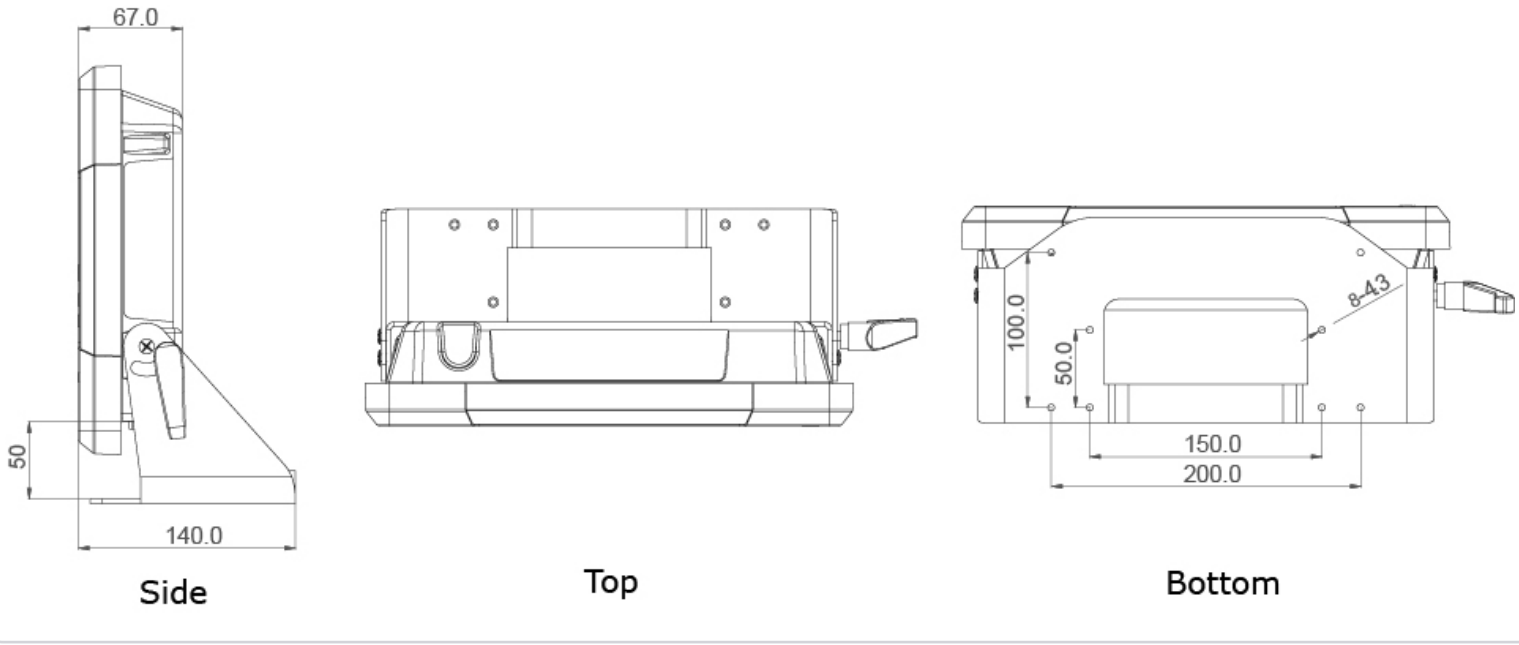
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Tech Diagram Images





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