

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.

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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
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Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro
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Compatibility

Security Hardware	TPM 2.0
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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
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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
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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/s ²
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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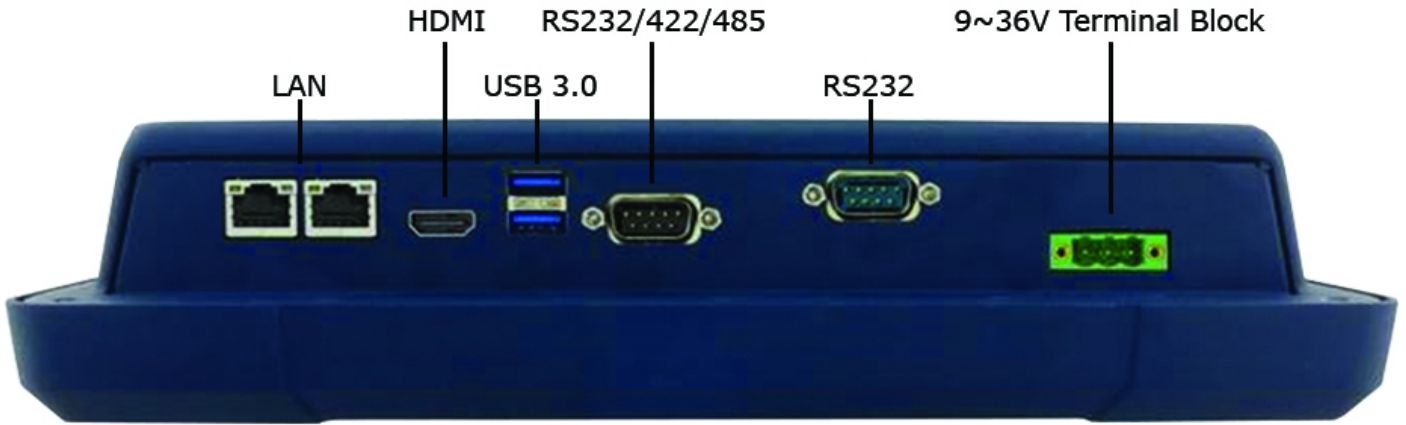
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I/O Diagram Images



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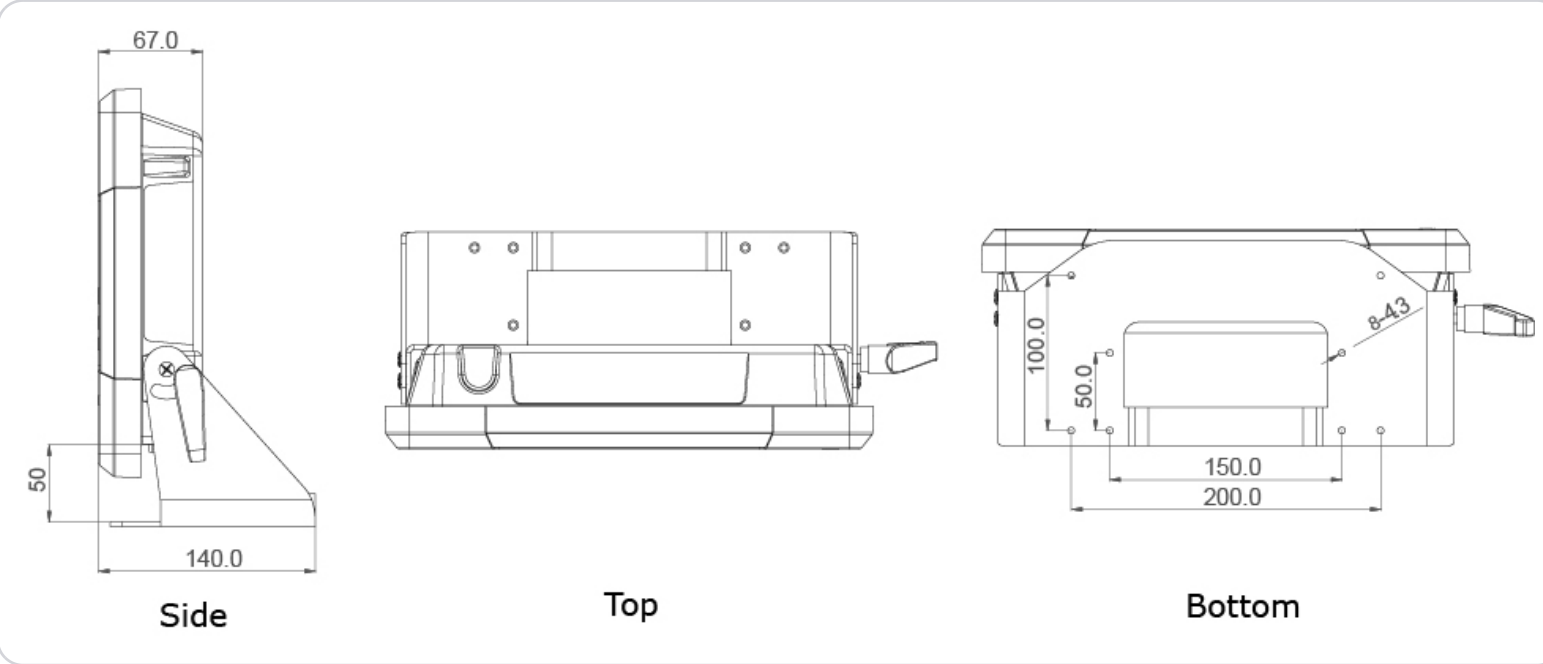
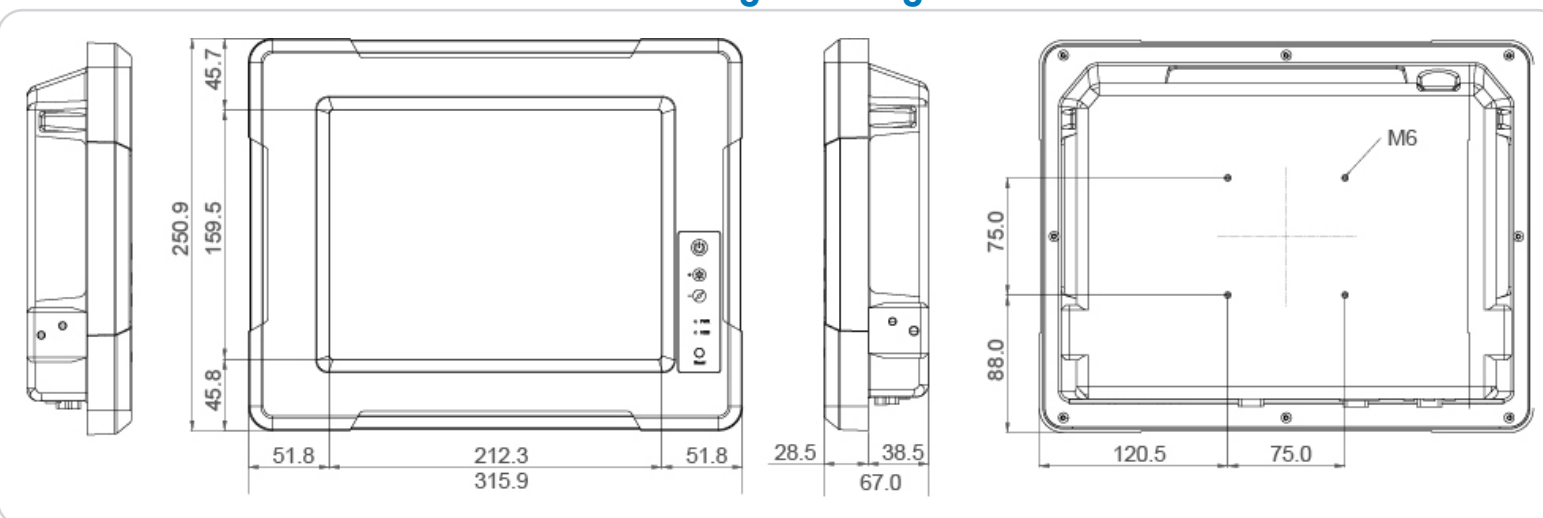
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Tech Diagram Images



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