TEGUAR

TWB-5920

Waterproof Box PC



Key Highlights

- 11th Generation Core i5 Processor
- Windows 11 Capabilities
- Fanless Design
- Wide Operating Temperature (0C-50C)
- 9~36V DC with Isolation

VIEW ONLINE

The TWB-5920 stands as a pinnacle of durability and performance, boasting an IP65 Full Waterproof rating with a NEMA 4x enclosure, ensuring resilience against water and dust in demanding environments. Its ultra-compact design, complemented by an aluminum chassis, maximizes space efficiency without compromising durability. Powered by an 11th Gen Core i5 processor and equipped with Windows 11, this system delivers robust computing power and seamless functionality. Whether in rugged industrial settings or outdoor installations, the TWB-5920 offers unparalleled reliability, making it an ideal choice for applications where durability, performance, and efficiency are essential.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 11th Generation Tiger Lake
Processor Model	Core i5-1135-G7
Processor Speed	2.4 GHz, Up to 4.2 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	2GB, 4GB, 8GB, 32GB
Storage Type	1x M.2 M Key, PCIe or SATA, 2242 default or 2280
Storage Support	32GB-512GB

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 Pro
Linux	Linux Ubuntu 22.04 or above (Contact your sales rep for more information)

Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 for NVME SSD Support

Enclosure

Material	Aluminum
IP Rating	IP65
Color	Silver
Led Indicator Light	HDD Access, LAN, Power
Control Buttons	Power Button
Shock Rating	15g for 11ms
Mounting Options	Wall Mount

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

External I/O Ports

USB	1x M12 USB, 1x USB 2.0 Waterproof Connector with Cover
Serial / Com	1x M12 8-pin for COM
Serial Protocol Detail	1x RS-232/RS-485/RS-422
Ethernet / LAN	2x M12 8pin RJ45 Gbe LAN
Video Outputs	1x M21 Connector for HDMI
Power Input Port	M12 type 3-PIN DC-in

Power

Input Voltage Range	9-36V DC

Compatibility

Security Hardware	TPM 2.0

Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F – 122°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless
Humidity Range	10% – 90% Non-condensing

Weight / Dimensions

Weight	3.2 kg (7.1 lbs)
Dimensions	261 x 193 x 51 mm (10.3 x 7.6 x 2.0 in)

Certification

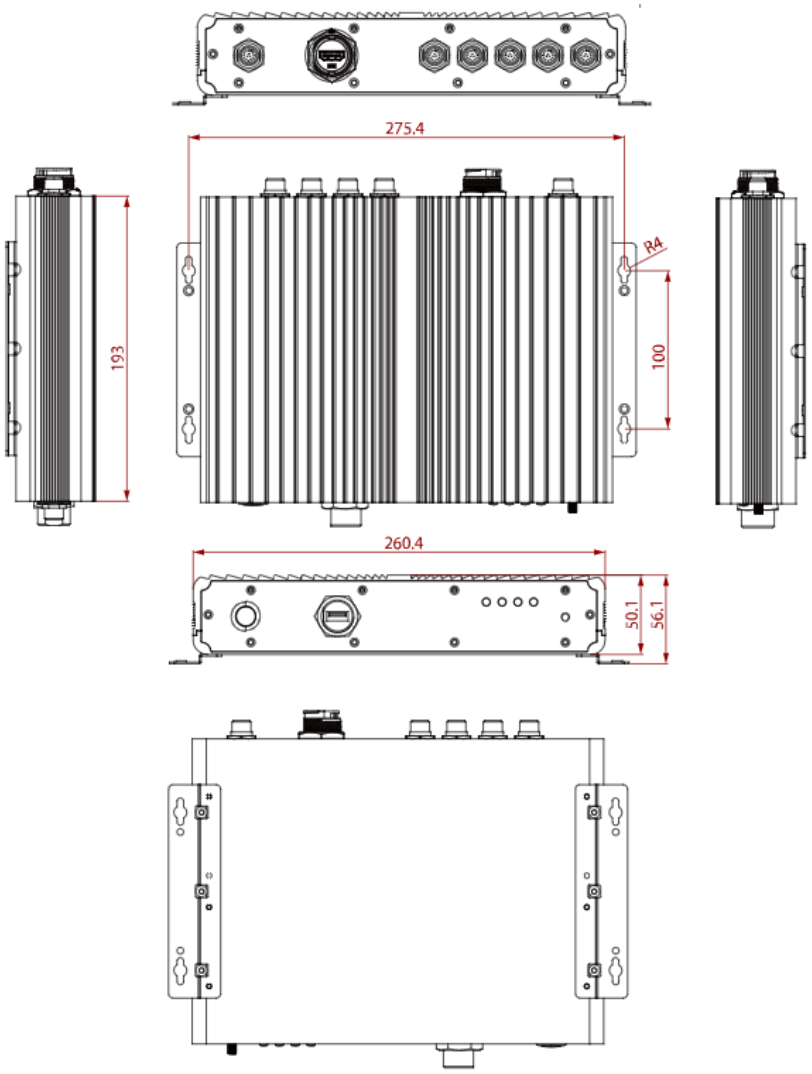
Certifications	Complies with FCC and CE Requirements

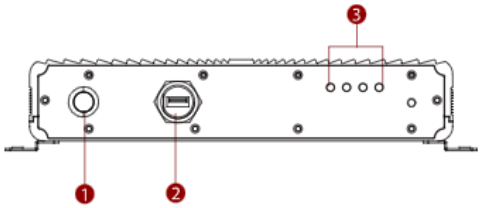
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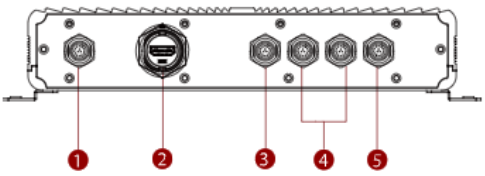
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Tech Diagram Images





1 Power Switch
2 USB Type-A
3 LED Indicator



1 Power Input
2 HDMI
3 USB
4 LAN
5 COM

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