

TWB-7010

IP69K Stainless Steel Computer | Trident



Key Highlights

- 12th Gen Alder Lake Core i5 CPU
- Windows 11 Ready
- Dual Storage Capability with 2.5" and M.2
- Mounting kit built onto the unit, no attachment needed
- IP69K Fully Waterproof Stainless Steel Enclosure
- Cable Gland or M12 Connector Options

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The Trident Embedded Computer is built in an anti-rust stainless steel enclosure to ensure reliable waterproof performance. The Core i processor from Intel® clocks a Passmark score over 9500 and is equipped to run Windows 11. Choose your preferred method to waterproof your I/Os: either M12 connectors or a cable gland. Customize Trident for your exact setting even further with built-in Wi-Fi options and a second LAN port. This corrosion-proof fanless computer can be cleaned and sprayed time and time again, perfect for pharmaceutical and food & beverage applications.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 12th Generation Alder Lake
Processor Model	Core i5-1245UE
Processor Speed	2x Performance Cores @ 4.4 GHz, 8x Efficient Cores @ 3.3 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD, 1x M.2 NVME SSD Slot (2242/2260/2280)
Storage Support	M.2 SATA and 2.5": 128GB-1TB

Compatibility

Security Hardware	TPM 2.0
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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

Weight / Dimensions

Weight	6.1 kg (13.4 lbs)
Dimensions	363 x 48 x 274 mm (14.3 x 1.9 x 10.8 in)

Warranty

Warranty	Up to 5 Years
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Specifications subject to change.

External I/O Ports

USB	2x MI2 8Pin for USB 1/2 and USB 3/4
Serial / Com	2x MI2 8-pin for COM
Ethernet / LAN	1x MI2 8pin RJ45 Gbe LAN

Power

Standard Power Adapter	US Power Cord, AC Input 100 - 277V / 47 - 63 Hz / DC output 24V, 5A, 120W, IP68
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Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro
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Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option)
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Enclosure

Material	Stainless Steel
IP Rating	IP66, IP69K, NEMA 4X
Color	Stainless Steel
Approved Cleaning Solutions	Warm Water

Peripherals & Wireless Connectivity

Bluetooth	Optional Bluetooth 5.3
Sim Card	1x SIM Card Slot

Certification

Certifications	CE, FCC
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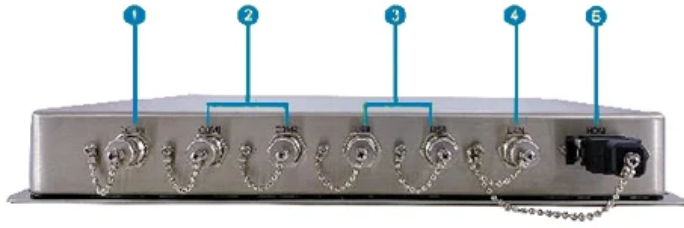
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I/O Diagram Images



- 1 DC-In
- 2 COM (x2)
- 3 USB 2.0 (x2)
- 4 LAN
- 5 HDMI



M12 Standard



Optional Cable Gland

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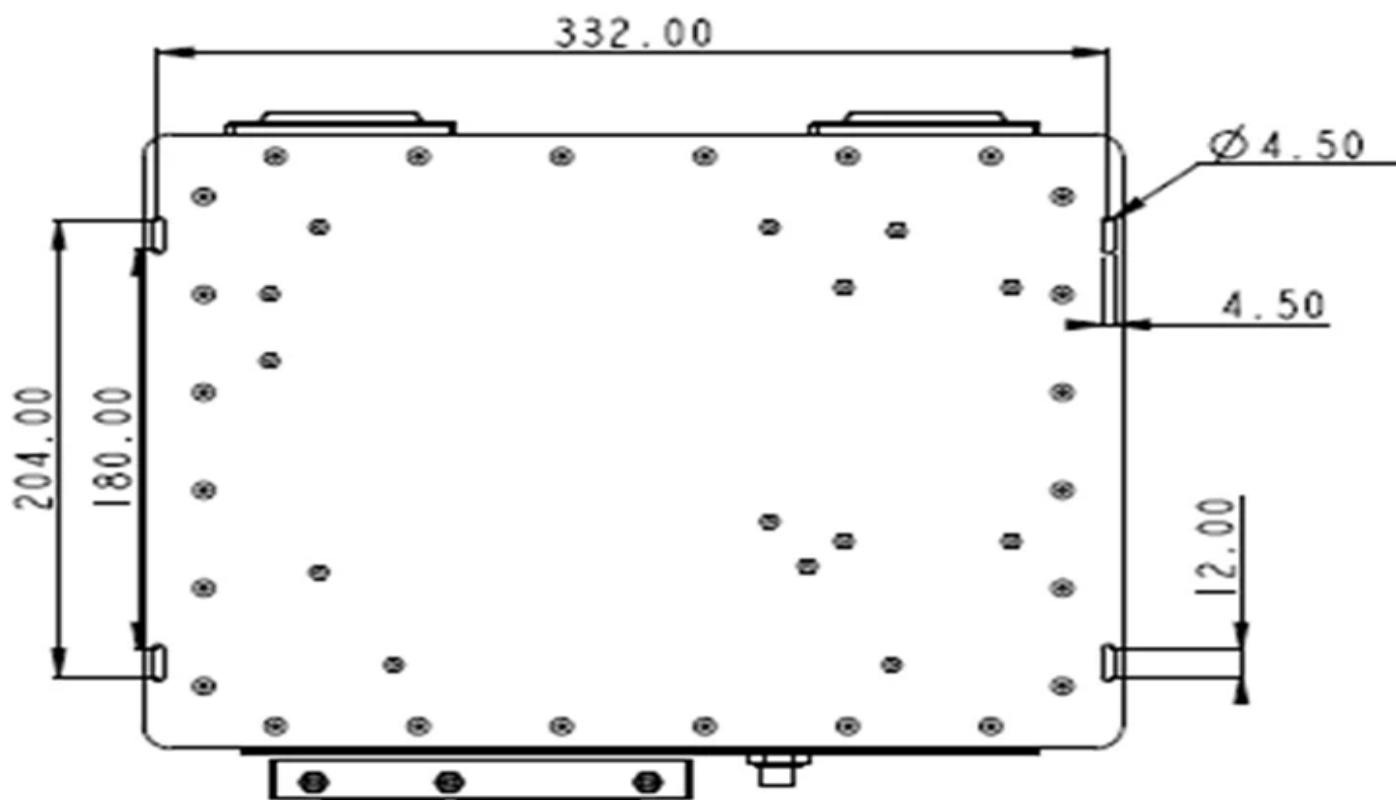
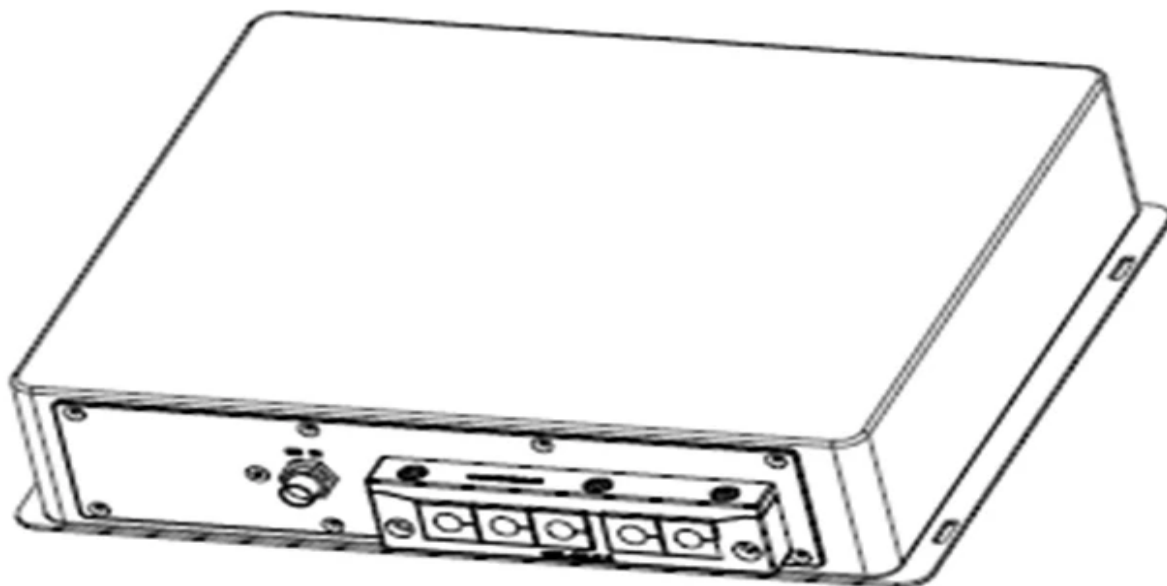
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