Features

- 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

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

External I/O Ports

USB	2x M12 8Pin for USB 1/2 and USB 3/4
Serial / Com	2x M12 8-pin for COM
Ethernet / LAN	1x M12 8pin RJ45 Gbe LAN

Power

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

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro

Compatibility

Security Hardware	TPM 2.0

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)

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

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

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)

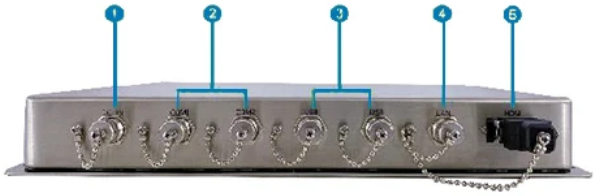
Certification

Certifications	CE, FCC

Warranty

Warranty	Up to 5 Years

I/O Diagram Images

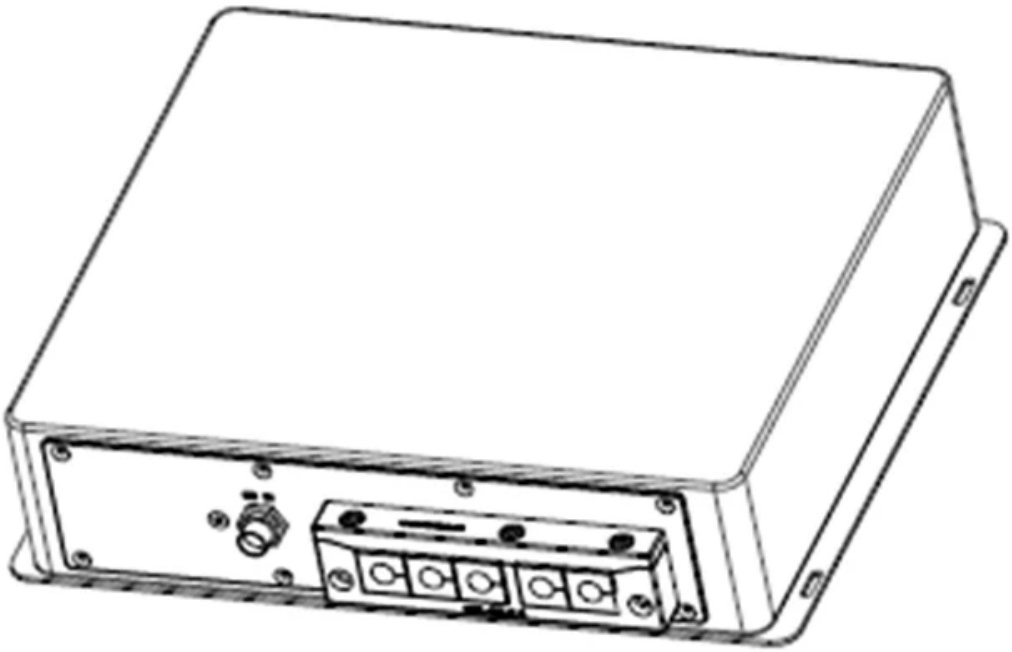


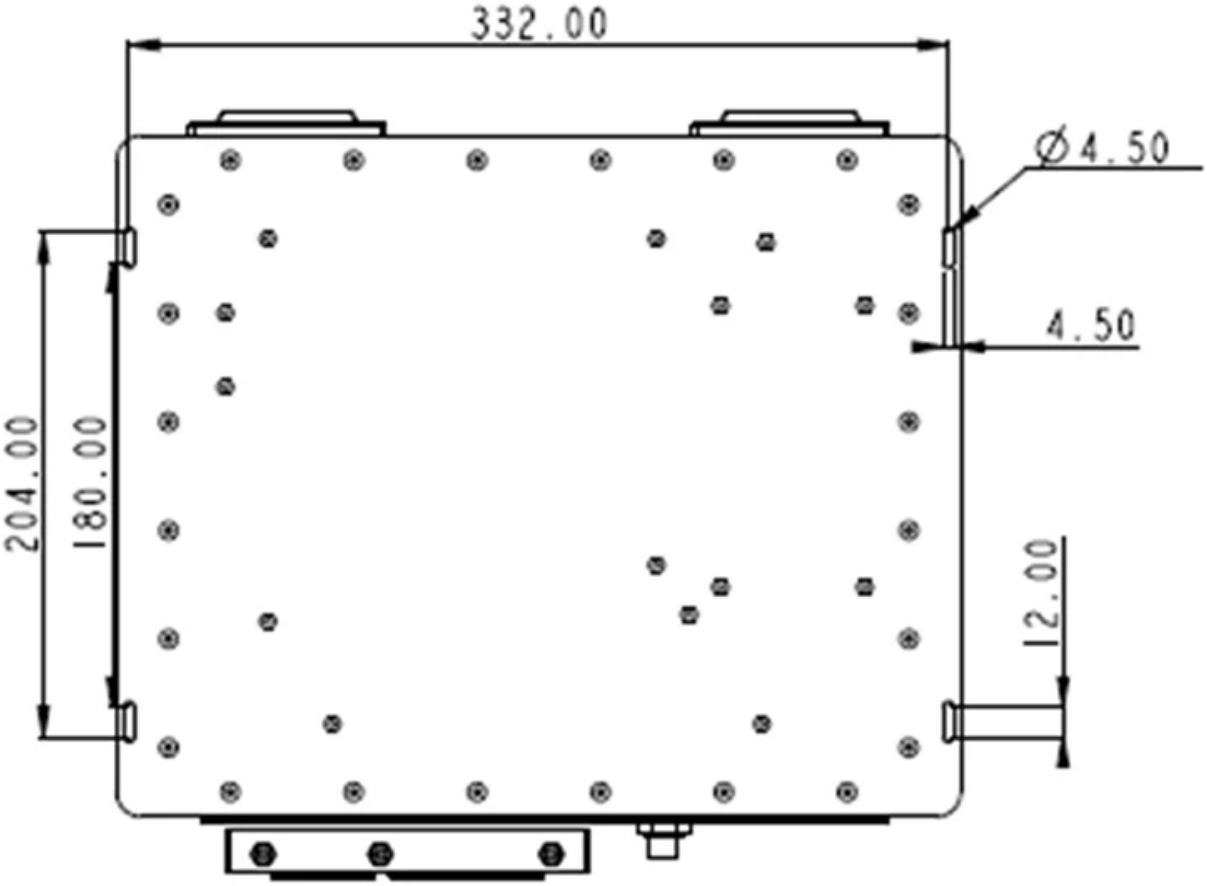
1. DC-In
2. COM (x2)
3. USB 2.0 (x2)
4. LAN
5. HDMI

M12 Standard

Optional Cable Gland

Tech Diagram Images





All specifications are subject to change without notice.