

Features



- Intel® AlderLake -N, Atom (Projects), or upgrade to Core i3
- Multiple IO Expansion Modules Available
- Mini PCIe for Wi-Fi and M.2 Key-B for Cellular
- DDR5 Memory
- DIN Rail or Wall Mountable
- Extended desktop capability with dual display ports, Both 4K!

Technical Specifications

Primary Components

Processor Family	Intel Celeron or Core I series 12th Generation Alder Lake N
Processor Model	AlderLake-N N97, ATom X7425e(Projects), Core i3-N305
Processor Speed	0.8 GHz (N305), up to 3.8 GHz (N305), x 3.4 GHz (X7425e), x Up to 3.6 GHz (N97)
Memory Type	1x DDR5 SO-DIMM
Memory Support	8GB, 16GB
Storage Type	1x M.2 B+M Key SATA3 2242 Slot
Storage Support	M.2: 128GB-1TB

External I/O Ports

USB	4x USB 2.0
Serial / Com	1x GPIO, 2x COM, Add 4x COM(Adds 2nd GPIO), Optional
Serial Protocol Detail	2x COM (RS-232/422/485 configured in BIOS)
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x DisplayPort, 1x HDMI
Power Input Port	DC-in Jack (Phoenix Type)

Power

Input Voltage Range	9-36V DC
Max Power Consumption	65W
Standard Power Adapter	12Vdc, 5A, 60W US power cord

Operating Systems

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

Security Hardware	TPM 2.0
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Expansion Slots

Internal M.2 1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option)

Thermal & Environmental

Operating Temperature -20°C - 60°C (-4°F – 140°F), -30°C - 70°C (-22°F – 158°F (Option, With WT devices))

Humidity Range 95% Non-condensing

Storage Humidity 10% – 90% Non-condensing

Enclosure

Color Black

Led Indicator Light Power

Control Buttons Power Switch

Weight / Dimensions

Weight 2.2 kg (4.9 lbs)

Dimensions 200 x 55 x 140 mm (7.9 x 2.2 x 5.5 in)

Warranty

Warranty Up to 5 Years

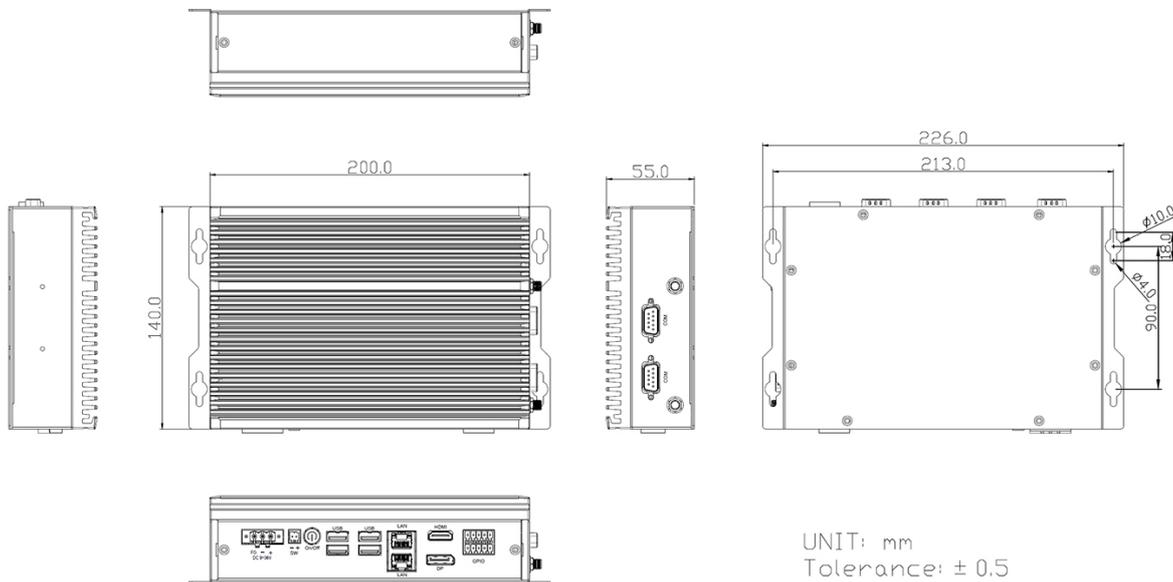
[I/O Diagram Images](#)



1. Variable DC Input
2. Remote Power Switch
3. Power Button
4. 4x USB 2.0
5. 2x 2.5 Gb Ethernet
6. HDMI 2.0
7. DisplayPort 1.4
8. 8x GPIO (4 In, 4 Out)

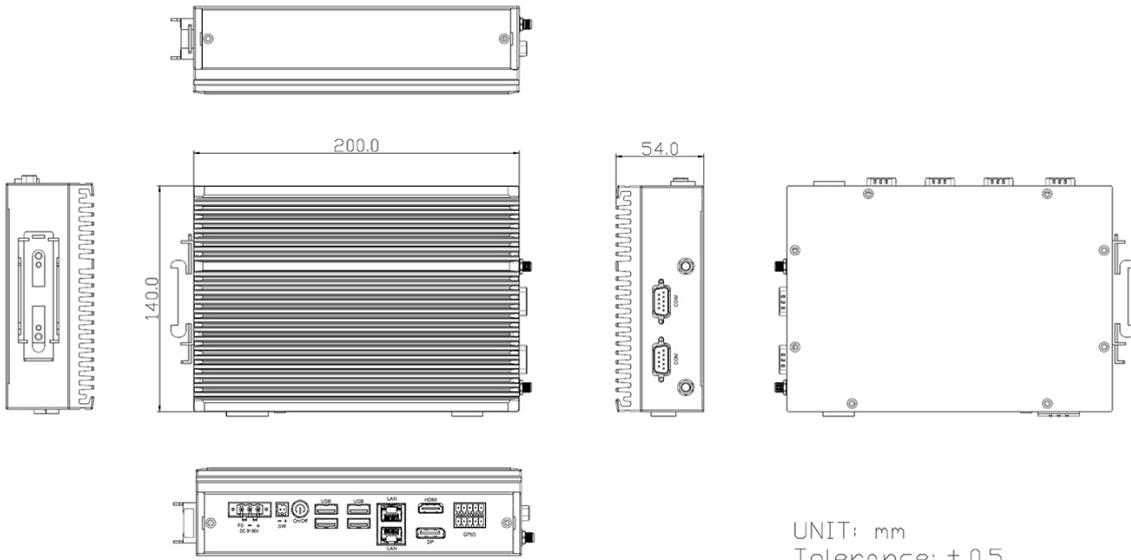
Tech Diagram Images

Wall Mount



UNIT: mm
Tolerance: ± 0.5

DIN Rail



UNIT: mm
Tolerance: ± 0.5

All specifications are subject to change without notice.