

TB-6145-TM

ThinManager-Ready Industrial-Grade Fanless PC

**THINMANAGER**

Key Highlights

- Optimized for ThinManager® thin client deployments
- Intel® Processor N97 with DDR5 memory for responsive thin client performance
- Dual DisplayPort outputs for multi-display industrial workstations
- Rugged fanless design for reliable operation in industrial environments
- Rich industrial I/O, including 8-channel GPIO and Mini PCIe expansion
- Wall mount and DIN Rail mounting options for flexible installation

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The TB-6145-TM is purpose-built as a ThinManager®-ready endpoint, delivering reliable, high-performance thin client operation for demanding industrial environments. Powered by the Intel® Processor N97 and paired with high-speed DDR5 memory, the TB-6145-TM provides the responsive performance needed for centralized application delivery and seamless ThinManager® sessions.

Designed for industrial deployment, the TB-6145-TM combines a rugged fanless enclosure with extensive connectivity, including dual DisplayPort outputs, 8-channel GPIO, a Mini PCIe expansion slot, and multiple high-speed I/O options to support a wide range of industrial peripherals and display configurations. Flexible wall mount and DIN Rail mounting options make installation easy across manufacturing, automation, and edge computing environments while providing the reliability expected in 24/7 industrial operation.

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Technical Specifications

Primary Components	
Processor Family	Intel Celeron or Core I series 12th Generation Alder Lake N
Processor Model	AlderLake-N N97
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

Operating Systems	
Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro

Compatibility	
Security Hardware	TPM 2.0

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

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)

Specifications subject to change.

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

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

Enclosure	
Color	Black
Led Indicator Light	Power
Control Buttons	Power Switch

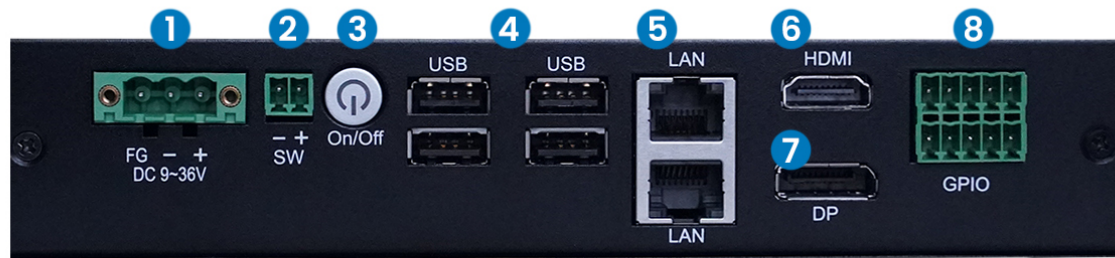
Warranty	
Warranty	Up to 5 Years

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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)

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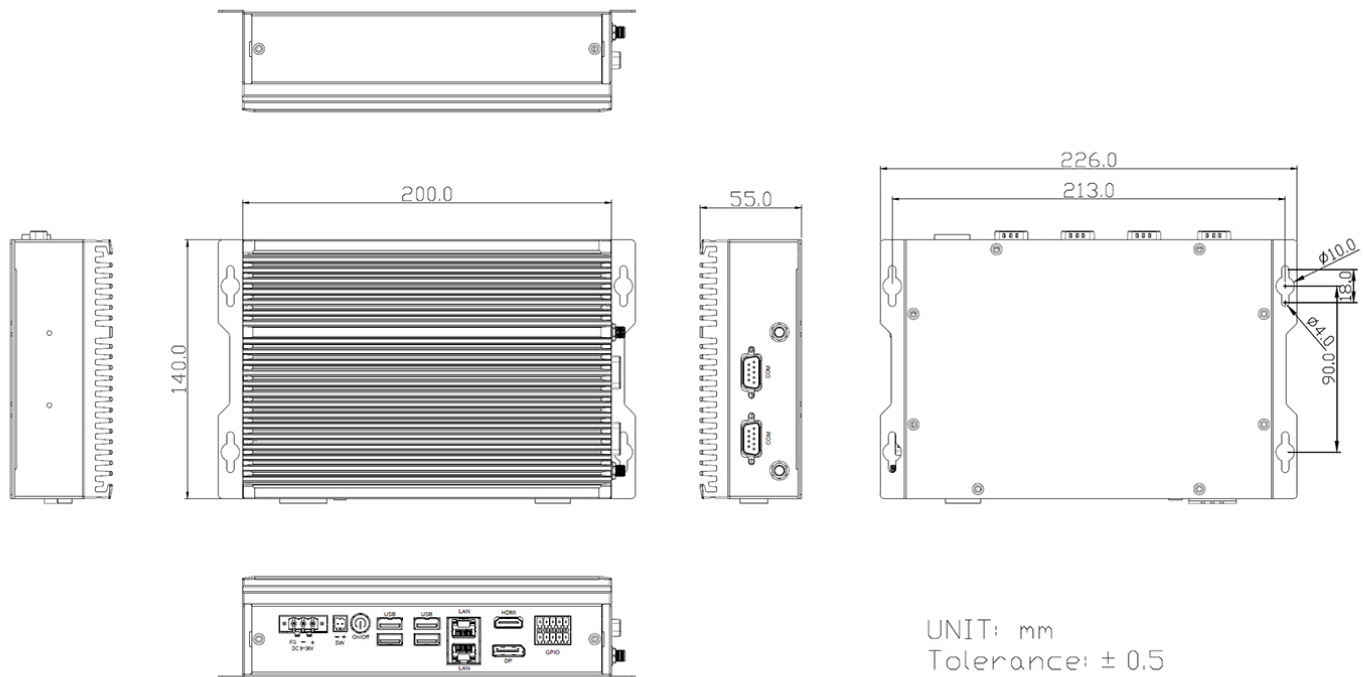
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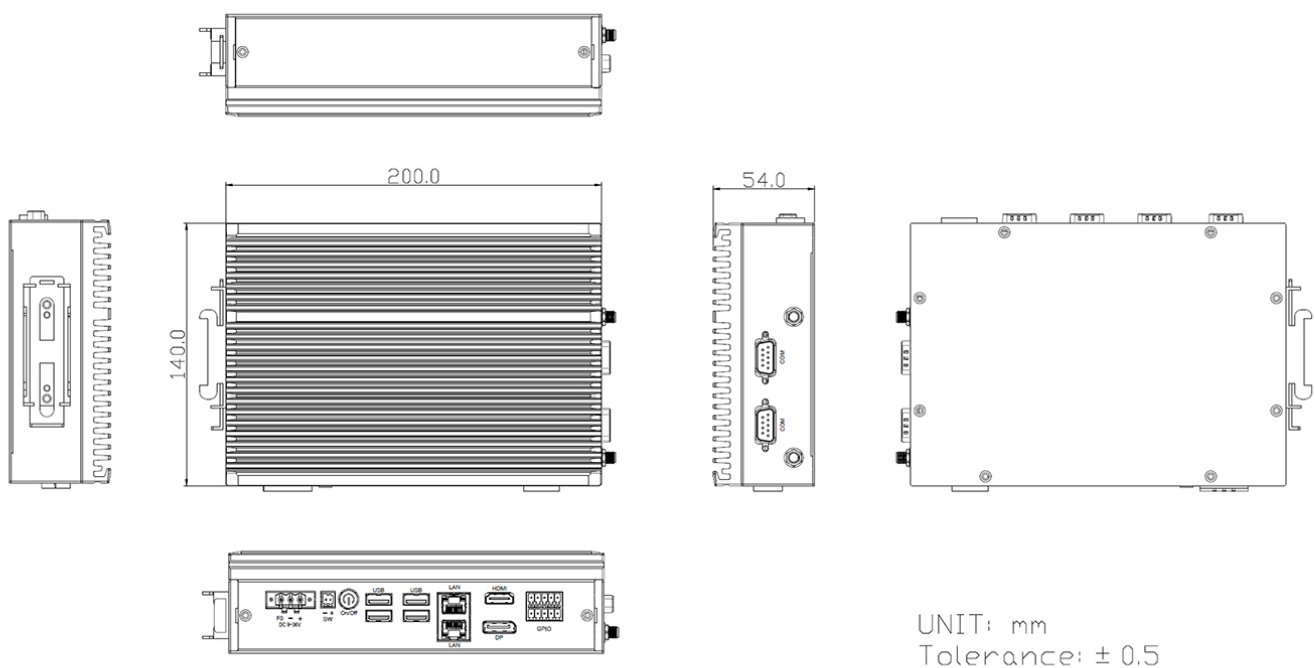
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Wall Mount



DIN Rail



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