

QN-ORNX16GH-A1

Industrial system with NVIDIA® Jetson Orin NX 16GB, including Ampere GPU + Arm Cortex-A78AE v8.2 64-bit CPU + 16GB LPDDR5



※ Display port and SD card slot are not available.

Features

- System Size : 210W x 169.8D x 55.2H (mm)
- NVIDIA® Jetson Orin NX 16GB
- Up to 100 TOPs
- 8 x GbE LAN Ports with PoE 15W/Port
- 2 x GbE LAN Ports
- Fan-Less system
- AI, NVR, Surveillance Application

| | |
|-----------------------|---|
| Memory | 16GB 128-bit LPDDR5 DRAM (Module) |
| Ethernet | 8 x GbE LAN Ports with PoE 15W/Port, IEEE802.3af compliant, Total 120W 2 x GbE LAN Ports |
| Display output | 1 x HDMI 2.0 port, supporting a maximum resolution of 4096x2160 @60Hz |
| Storage | 1 x SATA 6Gb/s (Swappable 2.5" HDD/SSD) |
| Expansion Slots | 1 x 2280 M.2 M-Key (PCIe Gen4x1) for SSD 1 x 3052 M.2 B-Key for 4G/5G card (USB3 only) 1 x 2230 M.2 E-Key 1 x Mini PCIe slot 1 x SIM slot |
| Front I/O | 1 x Power button with LED 1 x HDD LED 1 x GPIO (12 bits) 1 x HDMI 1 x USB 2.0 Type Micro B 1 x Recovery button 2 x External Antenna Holes (Optional) |
| Rear I/O | 4 x COM Ports (RS-232/422/485) 4 x USB 3.2 Gen 1 8 x GbE LAN ports with PoE 15W/port 2 x GbE LAN ports 1 x 3-pin Terminal Block |
| Side I/O | 4 x External Antenna holes (optional) |
| Power | +54VDC (PoE support) |
| Operation Temperature | Operating temperature: -20°C to 70°C Operating humidity: 70°C @ 20-95% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 70°C @ 95% (non-condensing) Use wide temperature range storage |

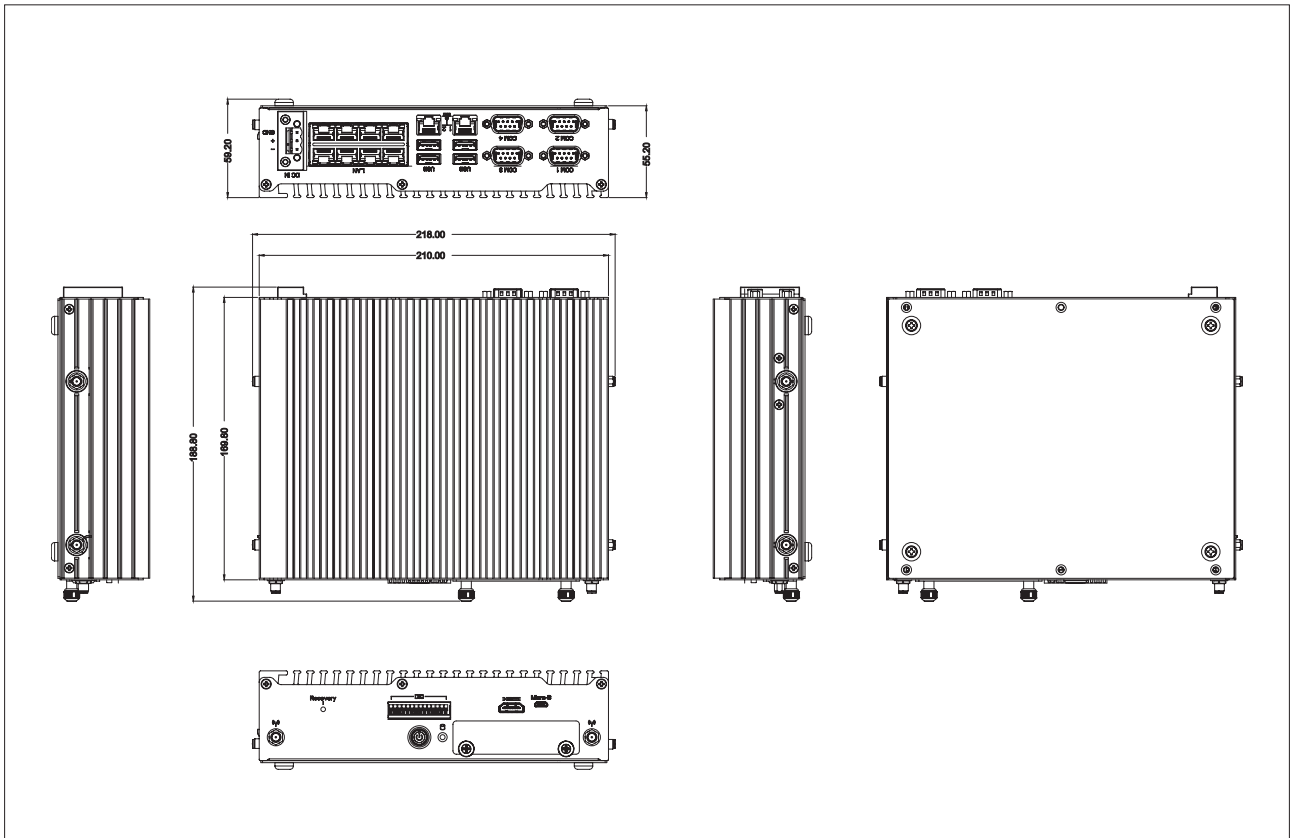
Specifications

| | |
|----------------|--|
| Dimension | 210W x 169.8D x 55.2H (mm) |
| AI Accelerator | NVIDIA® Jetson Orin™ NX Jetson Orin NX 16GB |
| AI Performance | Up to 100 TOPs |
| CPU | 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3 |
| GPU | NVIDIA® Ampere™ architecture with 1024 NVIDIA® CUDA® cores and 32 Tensor cores |

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Dimension

Unit: mm



Packing Content

- Carton size: 528 x 303 x 353 (mm)
- Packing Capacity: 4pcs
- Single Box size: 316 x 281 x 125 (mm)
- Including:
 - 54V/180W Adapter x 1 (P/N: 25EP4-101807-F3S)
 - Power Cord: Optional (by region)
 - Screw for 2.5" HDD/SSD, M3x4L x 4 (P/N: 25984G-1C014-S00)

Order Information

- System: 9BQNORNXCMR-SI

2026/05/04

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