



QBiX Jetson Series (NVIDIA Jetson Systems)

QBiX-OrinNX16GH-A1

Preliminary

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Key Features

AI system with NVIDIA® Jetson Orin™ NX

- System Size : 210W x 169.8D x 55.2H (mm)
- NVIDIA® Jetson Orin™ NX, up to 100 TOPS
- 16GB 128-bit LPDDR4 DRAM
- 10 x GbE LAN Ports
- AI, NVR, surveillance application
- Fanless system
- PoE function upon request

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Specification

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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
Memory	16GB 128-bit LPDDR4 DRAM (Module)

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Ethernet	10 x GbE LAN Ports
Display output	1 x HDMI 2.0 port, supporting a maximum resolution of 4096x2160 @ 60Hz 1 x DP 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 B-Key (PCIe Gen4x4) 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 DP 1 x HDMI 1 x USB 2.0 Type Micro B 1 x SD slot (Micro SD) 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 10 x GbE LAN Ports 1 x 3-pin Terminal Block
Side I/O	4 x External Antenna Holes (Optional)
Power	+12V~54VDC (non PoE) +54VDC (If PoE support)
Operation Temperature	Operating temperature: -20°C to 70°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 0%-95% (non-condensing) Use wide temperature range memory and storage

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