

Quanta AI Server Configuration Parameters



Article Overview

Quanta AI servers can be configured at both hardware and software levels, including BIOS, chipset, server management, and AI-specific transport protocols for optimal performance.

Hardware Configuration

QuantaGrid S31A-1U: This 1U server supports Intel® Xeon® E3-1200 v5 processors and the Intel® C236 chipset. Key hardware parameters include:

- **Storage:** 4x 3.5" HDD bays, 2 mini-SAS HD connectors supporting 8x SATA 6Gb/s ports, and 2x M.2 connectors for SATA or PCIe SSDs. Optional storage controllers are available for advanced setups.
- **Power Supply:** Available in fixed or redundant PSU models.
- **Server Management:** BMC interface allows configuration of system agent (SA), PCH-IO, and FRB-2 timers. BIOS screens provide boot order, iSCSI parameters, and onboard device configuration .

QuantaGrid D74A-7U: Designed for extreme AI and HPC workloads, this 7U server supports:

- **GPUs:** 8x NVIDIA H100/H200 or 8x AMD MI300X GPUs.
- **Storage:** Fast NVMe drives optimized for GPUDirect.
- **Networking:** Multiple GPUDirect RDMA-compatible NICs....

Article Content

AI GPU Server Requirements: What to Spec for Training and Inference

How to spec an ai gpu server for training, inference, and fine-tuning workloads, covering CPU, memory, storage,

Meta Reportedly Teams Up with Broadcom, Taps Quanta for

Following its 2025 capex hike, Meta isn't slowing down. According to the Economic Daily News, the cloud giant will

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This server complements QCT's existing high-performance QuantaGrid and QuantaPlex family of servers, while

AI servers will not peak then slow in 2025, says Quanta EVP Mike Yang

Demand for AI servers will not peak in 2025, according to Quanta Computer executive VP and Quanta Cloud

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Quanta/QCT is the leading partner with NVIDIA in introducing the MGX architecture - an open and future compatible accelerated

QUANTA STRATOS S200 Series S200-X12TS Technical Manual

View and Download QUANTA STRATOS S200 Series S200-X12TS technical manual online. 2-Socket General Purpose 1U Server.

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About QCT Quanta Cloud Technology (QCT) designs, manufactures, integrates, and services cutting-edge offerings

Loading Configurations | Quanta Documentation

In Quanta, configuration files are used to store various settings for the application, such as assets, database credentials, or other

configuring-dbt-mcp-server — Quanta Skill | Quanta Intelligence

Generates MCP server configuration JSON, resolves authentication setup, and validates server connectivity for dbt. Use when

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The equipment rack must be anchored to an unmovable support to prevent it from tipping when a server or piece of equipment is

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Automates Vertex AI endpoint configuration tasks on Google Cloud Platform, including deployment, scaling, and security settings

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QCT has equipped this new multi-node server with 24 front-accessible, hot-swappable E3.S 1T NVMe bays,

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[QCT Unveils QuantaEdge EGN77C-2U, New AI-RAN Server](#)

QCT AI POD: A pre-configured, cluster-level solution accelerated by NVIDIA AI infrastructure, delivering compute,

[Local AI in 2026: The Best Models to Run on Your Own Hardware](#)

Run powerful AI models locally for privacy and cost savings. This updated guide covers Mistral Small 4, Qwen 3.5,

[QUANTA QuantaGrid Series Rackmount Server Manuals](#)

Manuals and User Guides for QUANTA QuantaGrid Series Rackmount Server. We have 2 QUANTA QuantaGrid Series Rackmount

[quanta-ai/docs/SERVERS_RUNNING.md](#) at main

Parameters: messages: Chat history [{role: "user"|"assistant", content: "..."}]
system: System prompt (optional) current_ticker:

[Quanta's Profit Surges 50% to Record High on AI Server Boom](#)

Looking ahead to 2025, Quanta expects AI servers to account for more than half of its server business, with that proportion rising to

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1.1 Introduction System Features The QuantaGrid S31A-1U with four 3.5" HDD is available in two models, a fixed PSU model and a

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The server-related market continues to expand, as the US semiconductor giant NVIDIA became the world's largest

Quanta to launch GB300 AI server in 4Q as high costs pressure margins

Quanta Computer expects trial production of its GB300 AI server to start in late third quarter 2025, with mass

S44NL-1U_front

Quanta Cloud Technology (QCT) is a global datacenter solution provider. We combine the efficiency of hyperscale hardware with

HPC Cluster Solutions | QuantaVega Systems | QuantaVega

HPC Cluster Solutions Conquer massive parallel workloads with QuantaVega's HPC cluster solutions, featuring rackmount

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