

QUANT COMPUTEEDGE CR3352



HIGH-PERFORMANCE 3U ENTERPRISE GPU SERVER FOR AI, ANALYTICS, AND DATA INFRASTRUCTURE

The Quant ComputeEdge CR3352 is a next-generation 3U rackmount server built for high-performance computing, AI inference, and enterprise-scale data processing.

Powered by the Intel® Xeon® Silver 4310 processor and advanced PCIe 4.0 architecture, it provides exceptional speed, scalability, and reliability for mission-critical workloads in data centers, surveillance, and industrial automation environments.

VERSATILE 3U COMPUTE PLATFORM

- Based on the Intel® C621A server chipset, supporting Xeon Scalable processors.
- Delivers high compute density with up to 12 cores, 24 threads, and 120W TDP.
- Features 16-bay hot-swap chassis (3.5" / 2.5") for maximum storage flexibility.
- Ideal for AI workloads, video analytics, access control systems, and virtualization.

EXCEPTIONAL COMPUTE AND EXPANSION POWER

- 32 GB DDR4 RECC memory pre-installed, supporting up to 8 DIMMs / 512 GB.
- Dual 480 GB SATA SSDs for OS and high-speed data access.
- 7 PCIe 4.0 slots (4 × x16, 3 × x8) and 2 × M.2 x4 slots enable GPU, RAID, and accelerator integration.
- Equipped with NVIDIA® T1000 (8 GB) GPU for 2D/3D visualization, AI, and analytics.

ENTERPRISE STORAGE AND DATA PROTECTION

- Integrated Broadcom 9460-16i RAID controller with 4 GB cache, supporting
- RAID 0/1/5/6/10/50/60 for ultimate flexibility and reliability.
- Supports up to 16 SATA/SAS/NVMe drives, ensuring scalable and fault-tolerant performance.

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ADVANCED CONNECTIVITY AND MANAGEMENT

- Intel® 82599 Dual 10G SFP+ network card for high-speed data transmission.
- 4 × 1GbE RJ45 ports + 1 × IPMI for management and redundancy.
- IPMI remote management allows complete system monitoring and control.
- Redundant 800W (1+1) power supply ensures uninterrupted 24/7 operation.

DESIGNED FOR THE EDGE AND THE CORE

- Built for data centers, AI labs, surveillance control rooms, and industrial edge sites.
- 3U rackmount design with optimized thermal management for multi-GPU deployments.
- Robust construction with tool-less rail kit for easy maintenance and installation.

TECHNICAL SPECIFICATIONS

FEATURE	DESCRIPTION
Model	Quant ComputeEdge CR3352
Form Factor	3U Rackmount Server
Chipset	Intel® C621A Single-Way Server Chipset
Processor	Intel® Xeon® Silver 4310, 12 Cores, 2.1 GHz, 120W
Memory	32 GB DDR4 RECC (up to 512 GB, 8 DIMMs)
Storage	2 × 480 GB SATA 2.5" SSDs
Drive Bays	16 × 3.5"/2.5" Hot-swap Bays
RAID Controller	Broadcom 9460-16i, 4 GB Cache, RAID 0/1/5/6/10/50/60
GPU	NVIDIA® T1000 8 GB, 4 × DisplayPort (4K Supported)
Expansion Slots	4 × PCIe 4.0 x16, 3 × PCIe 4.0 x8, 2 × M.2 x4

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Network Interface	Intel® 82599 Dual 10G SFP+
Additional LAN	4 × 1GbE RJ45, 1 × IPMI Management Port
Power Supply	800 W (1+1) Redundant PSU
Cooling	Intelligent Air Cooling with High-Efficiency Fans
Chassis	3U 16-Bay Hot-Swap Case with Rail Kit
Operating System	Windows Server 2019 (64-bit), Linux Compatible
Management	IPMI Remote Management
Dimensions (W × D × H)	650 × 437.5 × 132 mm
Weight	33 kg
Certifications	CE, UL, FCC, ISO 14001:2015
Country of Origin	Malaysia
Warranty	3 Years

APPLICATIONS

- AI Inference and Machine Learning Pipelines
- Video Surveillance and Analytics Platforms
- Access Control and Security Integration Servers
- Industrial Automation and Control Systems
- Data Center Virtualization and Storage Nodes

