

QUANT COMPUTEEDGE CR2196



HIGH-PERFORMANCE 2U EDGE GPU SERVER FOR AI, CONTROL, AND VISUALIZATION APPLICATIONS

The Quant Compute Edge CR2196 is a high-performance 2U rackmount server engineered to deliver powerful GPU acceleration, reliability, and versatility for demanding enterprise and edge environments. Designed for AI-driven analytics, industrial automation, control systems, and multi-display visualization, it combines robust compute power with advanced connectivity and fault-tolerant architecture.

ALL-PURPOSE 2U COMPUTE SERVER

- Built around the Intel® C612 single-way server chipset, supporting Intel Xeon® E5 processors.
- Optimized for AI visualization, industrial control, and edge video processing.
- Features 3 PCIe Gen3 x16 slots — ideal for GPU acceleration, expansion cards, or communication modules.
- Compact 2U design with 8 hot-swap bays for flexible SSD/HDD configurations.

GRAPHICS AND ACCELERATION POWER

- Equipped with NVIDIA® Quadro K1200 (4 GB) professional GPU with 4 × DisplayPort outputs supporting 4K resolution.
- Scalable architecture supporting multiple GPUs and add-on cards for edge AI and rendering workloads.

RELIABLE ENTERPRISE ARCHITECTURE

- Integrated LSI 9364-8i RAID controller with 1 GB cache, supporting RAID 0, 1, 5, 6, 10, 50, 60 for ultimate data redundancy and performance.
- Dual 800 W (1+1) redundant power supplies ensure 24/7 reliability in mission-critical applications.
- High-efficiency thermal design supports continuous operation under demanding load conditions.

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INDUSTRIAL CONNECTIVITY & EXPANSION

- MOXA 8-Port PCIe RS-232 Card for serial-based device integration — ideal for automation and industrial applications.
- 2 × 1GbE RJ45 network ports and 1 × IPMI port for remote management.
- Ready for edge deployments, SCADA integration, and control system interfacing.

CYBER-SECURE AND MANAGEABLE

- Supports IPMI remote management for full control and monitoring of server status.
- Compatible with Windows Server 2019 (64-bit) and enterprise Linux distributions.
- Advanced BIOS-level safeguards for secure operation in enterprise networks.

TECHNICAL SPECIFICATIONS

FEATURE	DESCRIPTION
Model	Quant ComputeEdge CR2196
Form Factor	2U Rackmount Server
Chipset	Intel® C612 Single-way Server Chipset
Processor	Intel® Xeon® E5-2630V3, 8 Cores, 2.4 GHz
Memory	32 GB DDR4 RECC (expandable up to 512 GB)
Storage	2 × 480 GB SATA 2.5" SSDs
Storage Bays	8 × 3.5"/2.5" Hot-swap Bays
RAID Controller	LSI 9364-8i, 1 GB Cache, RAID 0/1/5/6/10/50/60
GPU	NVIDIA® Quadro K1200 (4 GB), 4 × DP Ports (4K Supported)
Expansion Slots	3 × PCIe 3.0 ×16

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TECHNICAL SPECIFICATIONS

Serial Expansion	MOXA 8-Port PCIe RS-232 Card
Network Interface	2 × 1GbE RJ45, 1 × IPMI Port
Power Supply	800 W (1+1) Redundant PSU
Cooling	Intelligent air-cooling fans
Chassis	2U 8-Bay Hot-Swap Server Case with Rail Kit
Operating System	Windows Server 2019 (64-bit)
Management	IPMI remote management
Dimensions (W × D × H)	650mm*437.5mm*88mm
Weight	27 kg
Certifications	CE, UL, FCC, ISO 14001:2015
Country of Origin	Malaysia
Warranty	3 Years

APPLICATIONS

- AI and Deep Learning Inference
- Industrial Automation & SCADA Systems
- Video Analytics and Visualization
- Access Control & Security Management Servers
- IoT and Edge Gateway Computing

