

QUANT COMPUTEEDGE CR4528



HIGH-PERFORMANCE 4U DUAL-PROCESSOR GPU SERVER FOR DATA CENTER, AI, AND VIDEO ANALYTICS

The Quant Compute Edge CR4528 is a flagship 4U rackmount server built for demanding enterprise workloads, high-performance computing (HPC), and AI-driven analytics.

Powered by dual Intel® Xeon® Gold 6133 processors, the CR4528 delivers exceptional computational power, advanced scalability, and robust reliability for mission-critical applications in surveillance, AI, and data processing environments.

SCALABLE 4U COMPUTE PLATFORM FOR EXTREME PERFORMANCE

- Built around the Intel® C621 dual-way chipset, supporting up to 40 physical cores and 80 threads.
- Optimized for AI inference, large-scale video analytics, virtualization, and data infrastructure.
- Flexible 24-bay storage chassis support both SAS/SATA/NVMe drives with expander backplane.
- Dual redundant 1300W power supply ensures continuous 24/7 uptime for mission-critical operations.

POWERFUL COMPUTE AND EXPANSION ARCHITECTURE

- Dual Intel® Xeon® Gold 6133 processors (20 cores, 2.5 GHz, 150W each).
- 64 GB DDR4 RECC memory pre-installed (2 × 32 GB), expandable up to 16 DIMMs for large workloads.
- 6 PCIe Gen3 slots (3 × x16, 3 × x8) and 2 × M.2 NVMe PCIe x4 slots for maximum scalability.
- Built for GPU acceleration with NVIDIA® RTX A2000 (6 GB GDDR6) graphics — ideal for AI modeling, CAD visualization, and video decoding.

ENTERPRISE-GRADE STORAGE AND RAID PROTECTION

- Equipped with Broadcom 9460-16i RAID controller with 4 GB cache.
- Supports advanced RAID levels: 0, 1, 5, 6, 10, 50, 60 for high data reliability and redundancy.
- 4U chassis with 24 hot-swap drive bays (3.5" / 2.5") for scalable enterprise storage.
- Includes expander backplane for streamlined cabling and improved airflow management.

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CONNECTIVITY AND MANAGEMENT

- Intel® 82599 Dual 10G SFP+ network card for high-bandwidth data communication.
- 4 × 1GbE RJ45 ports for LAN and redundancy.
- Dedicated IPMI remote management port for full system control and monitoring.
- Supports Windows Server 2019 (64-bit) and major Linux enterprise distributions.

RUGGED, RELIABLE, AND EFFICIENT

- 4U industrial-grade chassis with optimized thermal airflow and redundant cooling fans.
- Tool-less front access design for quick maintenance and component replacement.
- Designed to perform in continuous high-load environments, ensuring long-term reliability.

TECHNICAL SPECIFICATIONS

FEATURE	DESCRIPTION
Model	Quant ComputeEdge CR4528
Form Factor	4U Rackmount Server
Chipset	Intel® C621 Dual-Way Server Chipset
Processor	2 × Intel® Xeon® Gold 6133, 20 Cores, 2.5 GHz, 150W
Memory	64 GB DDR4 RECC (2 × 32 GB, up to 512 GB, 16 DIMMs)
Storage	2 × 480 GB SATA 2.5" SSDs
Drive Bays	24 × 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® RTX A2000 6 GB GDDR6
Expansion Slots	3 × PCIe 3.0 x16, 3 × PCIe 3.0 x8, 2 × M.2 NVMe x4

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TECHNICAL SPECIFICATIONS

FEATURE	DESCRIPTION
Network Interface	Intel® 82599 Dual 10G SFP+
Additional LAN	4 × 1GbE RJ45, 1 × IPMI Management Port
Power Supply	1300 W (1+1) Redundant PSU
Cooling	High-efficiency air cooling with redundant fans
Chassis	4U 24-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 × 176 mm
Weight	35 kg
Certifications	CE, UL, FCC, ISO 14001:2015
Country of Origin	Malaysia
Warranty	3 Years

APPLICATIONS

- AI & Deep Learning Training / Inference Servers
- Video Management and Analytics Platforms
- Access Control and Command Center Systems
- Virtualization and Private Cloud Infrastructure
- Industrial Edge Computing and Data Aggregation

