Quant
ELEVATING TECHNOLOGY

QUANT COMPUTE EDGE CR1120

ISO 14001:2015

1 YEAR WARRANTY

HIGH-PERFORMANCE 1U EDGE SERVER FOR MODERN COMPUTE DEMANDS

The Quant Compute Edge CR1120 is a powerful short-depth 1U server engineered for enterprise and edge computing environments. Purpose-built for video analytics, access control, AI processing, and industrial applications, it combines reliability, performance, and scalability in a compact chassis.

VERSATILE EDGE-READY COMPUTING PLATFORM

- Designed for Access Control, Video Management, and AI workloads.
- Supports Intel Xeon Gold 6148 2.4G with up to 20 cores.
- Offers NVMe and SAS/SATA hybrid storage flexibility for edge and data center use.
- Integrated hardware RAID controller ensures enterprise-class data protection.

RUGGED AND RELIABLE DESIGN

- Compact 1U form factor with 10 hot-swap bays (2x NVMe + 8x SAS/SATA).
- Redundant 800W (2+0) power supply modules for continuous uptime.
- Supports remote management via IPMI for efficient edge monitoring.
- Optimized cooling and low-noise fans for demanding environments.

CYBER-SECURE ARCHITECTURE

Security is integrated at every layer — from hardware RAID and TPM module support to secure boot and BIOS-level protection.

The CR1120 supports multi-layer encryption, ensuring data integrity for security-sensitive applications.

© Copyright Reserved Quant International SDN. BHD., Malaysia

Quant
ELEVATING TECHNOLOGY

QUANT COMPUTE EDGE CR1120

ISO 14001:2015

1 YEAR WARRANTY

SIMPLIFIED MANAGEMENT

- Intelligent platform management via IPMI interface.
- Compatible with third-party orchestration systems and remote update utilities.
- Ready for Windows Server 2019 (64-bit) or Linux enterprise distributions.

TECHNICAL SPECIFICATIONS

FEATURE	DESCRIPTION
Model	Compute Edge CR1120
Form Factor	1U Rackmount Server
Processor	Intel Xeon Gold 6148 2.4G
Memory	32 GB (2 × 16 GB DDR4-2666 RDIMM)
Storage Bays	10 × 2.5” Hot-swap (2 × NVMe + 8 × SAS/SATA)
Storage Controller	Broadcom BCM9460-8i, 2 GB RAID cache
Network Interface	2 × 1GbE onboard + 2 × 10GbE (RJ45) via Intel network card
Expansion Slots	1 × PCIe Gen3 (x16)
Power Supply	Dual 800W Redundant PSU
Cooling	Intelligent fan system, air-cooled
Management	ASPEED AST2500, IPMI v2.0 compliant, KVM over IP, virtual media, Redfish API
Operating System	Windows Server 2019 (64-bit), Linux (Red Hat / Ubuntu)
Dimensions (W × D × H)	482.6 × 463 × 42.8 mm
Weight	13.95kg

© Copyright Reserved Quant International SDN. BHD., Malaysia

QUANT COMPUTE EDGE CR1120

TECHNICAL SPECIFICATIONS

FEATURE	DESCRIPTION
Certifications	CE, UL, ISO 14001:2015, FCC
Country of Origin	Malaysia
Warranty	1 Year

APPLICATIONS

- Security and Surveillance Systems
- Access Control and Time Attendance Servers
- AI Video Analytics / Machine Vision
- Edge Compute for Smart Cities and Industrial IoT

© Copyright Reserved Quant International SDN. BHD., Malaysia