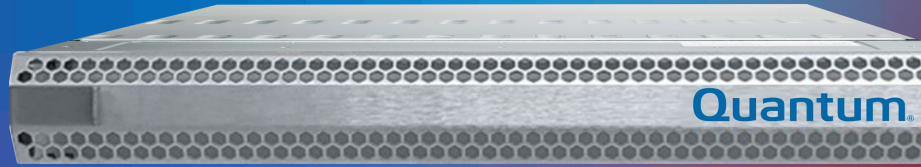


Quantum.

# VS1110-A APPLICATION SERVER



## DATASHEET

### FEATURES & BENEFITS

#### Purpose-built for building automation systems

Quantum designed the VS1110-A for hosting building automation systems that require the highest levels of performance and availability.

#### VM failover provides for maximum uptime

The software on the VS1110-A provides for VM failover between servers to maximize availability.

#### Easy to install and configure by non-IT personnel

Set up and configure a system in a few easy steps, then connect to the cloud and monitor anywhere.

#### Securely monitor the system anytime, anywhere

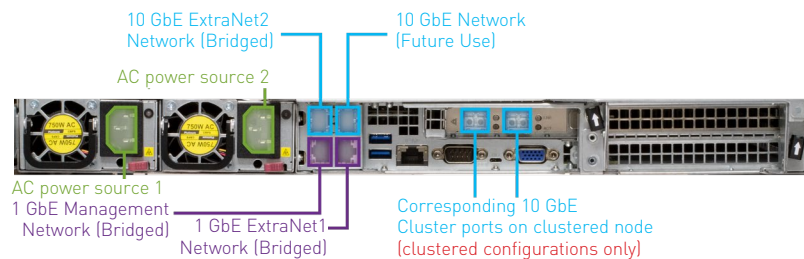
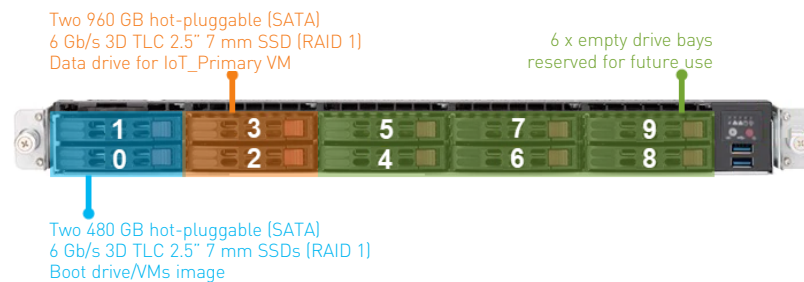
By connecting to Quantum's Cloud-Based Analytics software, VS1110-A servers can be monitored from anywhere.

The Quantum VS1110-A is an application server designed for building automation systems that require the highest levels of availability. The hardware is purpose-built for performance and redundancy, and the software provides for virtual machine (VM) failover between servers in a highly available server cluster.

The VS1110-A is easy to install and configure by non-IT personnel, and system health and performance can be securely monitored anytime, anywhere by connecting to Quantum's Cloud-Based Analytics software.

### VS1110-A HARDWARE

The VS1110-A is designed for applications where high performance, redundancy, and availability are required. The SSD storage speeds application performance with RAID 1 data protection, while redundant hot-swap power supplies and HDDs provide redundancy and availability.



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# VS1110-A APPLICATION SERVER

## VS1110-A SOFTWARE

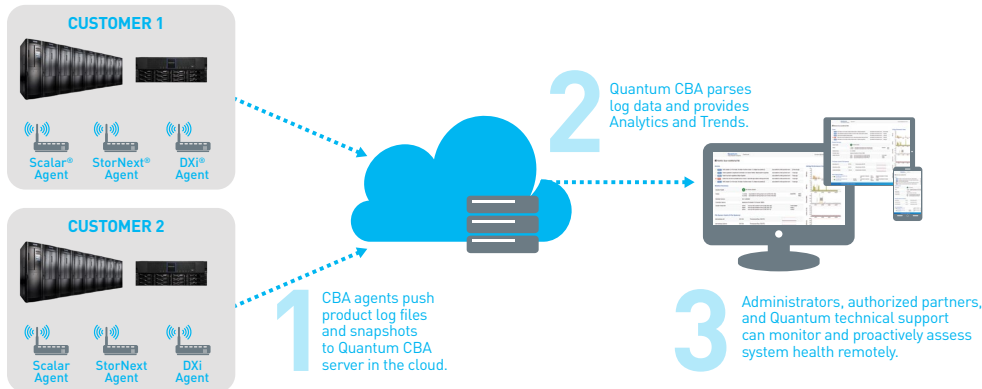
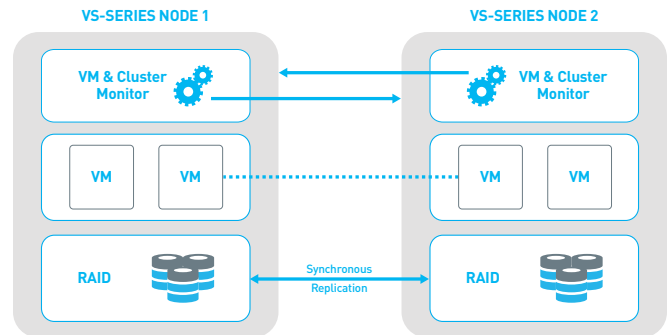
The VS1110-A comes pre-installed with the Quantum storage operating system and certified applications running within a Windows virtual machine.

The VS1110-A software provides high availability at multiple levels of software to mitigate against hard drive failure, node failure, and VM failure, as shown in the diagram to the right.

Drives within the VS1110-A are protected with RAID, so that drives can fail and be replaced without causing data loss.

Storage is protected by synchronously replicating storage volumes between a primary VS1110-A server and a secondary server.

Lastly, the VS1110-A storage software is continuously monitoring the state of the VM or VMs running the application, and if a VM fails (due to a crash, shutdown, or other reason), the software will detect the failure and automatically restart the VM, either on the same node, or on the other node if the primary node is unavailable.



## MONITOR SYSTEM HEALTH ANYTIME, ANYWHERE WITH CLOUD-BASED ANALYTICS

As the final step in setup, managers can connect the VS1110-A to Quantum's Cloud-Based Analytics software to enable the system to be monitored remotely. Building managers log into a web portal and are instantly able to monitor system health and performance.

This tool can be used by building managers or can be accessed by integrators and Quantum technical support to provide world-class support 24x7x365.

## SPECIFICATIONS

Form Factor	1U rackmount
Drives	2 x 960 GB SSD
Storage Capacity (Raw)	1.92 TB
Availability	Redundant, hot-swap power supplies; Hot-swap drives, configured for RAID 1; VM failover between cluster nodes. One HA VM supported.
CPU	Intel Xeon 4214 12C/24T
Memory	256 GB
Networking	2 X RJ45 1 GbE 2 X RJ45 10 GbE
Management	1 X RJ45 IPMI
Physical Dimensions	Height: 43 mm (1.7") Width: 437 mm (17.2") Depth: 724 mm (28.5")
Power Supply	750 W Redundant
Power Requirements	100 – 127 Vac / 62.5 – 0 A / 50 – 60 Hz 200 – 240 Vac / 62.5 – 0 A / 50 – 60 Hz
LED Indicators	Power, hard drive, network, system, overheat, fan fail, unit identification
Environmental	Operating: 10 – 35 °C (50 – 95 °F) Non-Operating: -40 – 60 °C (-40 – 140 °F) Humidity: 5 – 95% non-condensing

# Quantum

Quantum technology and services help customers capture, create, and share digital content—and preserve and protect it for decades at the lowest cost. Quantum's platforms provide the fastest performance for high-resolution video, images, and industrial IoT, with solutions built for every stage of the data lifecycle, from high-performance ingest to real-time collaboration and analysis and low-cost archiving. Every day the world's leading entertainment companies, sports franchises, research scientists, government agencies, enterprises, and cloud providers are making the world happier, safer, and smarter on Quantum. See how at [www.quantum.com](http://www.quantum.com).

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