

QuantaVault JB4602

High Performance
High Density 4U Disk
Expansion Unit



Rear view



- Four 12Gb SAS Host Interfaces
- High Reliability, Serviceability and Availability
- Full Redundancy with No Single-Point-of-Failure
- Cost-effective Shared Architecture

As a high density, scalable and cost-effective disk expansion unit, QuantaVault JB4602 is tailored to carry 60 hot-swappable 3.5"/2.5", 12Gb SASIII/6 Gb SATAIII, HDDs/SSDs in a 4U enclosure that provides shared, direct-attached storage to as many as four servers simultaneously via four external mini-SAS HD ports. Major components, including power supplies, fans and SAS interface modules, are redundant and hot swappable. The design is optimized for the general-purpose needs of enterprise and hyper-scale datacenters where the lowest operational cost-per-watt and smallest footprint are critical.

High Density

JB4602 supports 60 hot-swappable 3.5"/2.5", 12Gb SASIII/6Gb SATAIII, HDDs/SSDs in a 4U enclosure, with up to 480TB of storage capacity using 8TB drives. This equates to 12 drives per RU.

Flexibility

JB4602 provides flexible and scalable disk configuration and combination. It supports 2.5" and/or 3.5" SAS and/or SATA, HDD and/or SSD, and different disk capacity options. Users can configure various disk options to address their unique needs and performance requirements.

Cost-effectiveness

The QuantaVault JB4602 is a cost-effective alternative for enterprises that want high-density storage solutions with up to 480

TB total storage capacity. The unit can be shared with up to four servers via multi-lane Serial Attached SCSI (SAS) host interfaces, allowing customers to enjoy the efficiency of high-density storage across multiple physical servers.

Reliability & High Availability

QuantaVault JB4602 supports dual high-efficiency redundant power supplies and four hot-swappable fans, ensuring reliability and continuous availability in mission-critical datacenter environments. Hot-swappable redundant SAS interface modules provide dual data paths and ensure continuous operation. High-density storage can present substantial mechanical engineering challenges from the sheer mass of rotating media. Interference from vibration caused by hard disk rotation is isolated in the JB4602 to assure reliability and high performance across a range of loading and access scenarios.

Serviceability & Manageability

With its innovative, coverless, top-load HDD design, QuantaVault JB4602 significantly reduces service and maintenance complexity.

About QCT

QCT (Quanta Cloud Technology) is a global datacenter solution provider extending the power of hyperscale datacenter design in standard and open SKUs to all datacenter customers.

Product lines include servers, storage, network switches, integrated rack systems and cloud solutions, all delivering hyperscale efficiency, scalability, reliability, manageability, serviceability and optimized performance for each workload.

QCT offers a full spectrum of datacenter products and services from engineering, integration and optimization to global supply chain support, all under one roof.

The parent of QCT is Quanta Computer Inc., a Fortune Global 500 technology engineering and manufacturing company.

<http://www.QCT.io>

QuantaVault JB4602



Found at: www.QCT.io/wheretobuy

United States

QCT LLC., Silicon Valley office
1010 Rincon Circle, San Jose, CA 95131
TOLL-FREE: 1-855-QCT-MUST
TEL: +1-510-270-6111
FAX: +1-510-270-6161
Support: +1-510-270-6216

China

云达科技, 北京办公室
(Quanta Cloud Technology)
北京市朝阳区东三环中路 1 号
环球金融中心东楼 1508 室
TEL: +86-10-5920-7600
FAX: +86-10-5981-7958

云达科技, 杭州办公室

(Quanta Cloud Technology)
浙江省杭州市西湖区古墩路浙商财富中心 4 号楼
303 室
TEL: +86-571-2819-8650

Japan

Quanta Cloud Technology Japan 株式会社
日本国東京都港区芝大門二丁目五番八号
牧田ビル 3 階
TEL: +81-3-5777-0818
FAX: +81-3-5777-0819

Taiwan

雲達科技 (Quanta Cloud Technology)
桃園市龜山區文化二路 211 號 1 樓
TEL: +886-3-286-0707
FAX: +886-3-327-0001

Other regions

Quanta Cloud Technology
No. 211 Wenhua 2nd Rd., Guishan Dist.,
Taoyuan City 33377, Taiwan
TEL: +886-3-327-2345
FAX: +886-3-397-4770

QCT authorized partner

Form Factor (LxWxH)	4U Chassis [W/O Cable management arms] 909.3mm x 447mm x 175.3mm 35.80" x 17.60" x 6.90" [W/ Cable management arms] 1103.1mm x 447mm x 175.3mm 43.43" x 17.60" x 6.90"
Weight	[W/O Hard drives] 80.11 lb. (36.34kg) [W/ (60) 3.5" Hard drives] 187.39 lb. (85 kg)
Controller Module	(2) Hot-swappable SAS Interface Modules (SIM) (4) Hot-swappable Internal SAS Interface Modules (ISIM)
External I/O Ports	(4) 12Gb/s mini-SAS HD ports per SIM
Storage	(60) 3.5" and 2.5" SASIII and SATAIII hot-pluggable hard drives.
Management port	(1) Mini USB management port (1) RJ45 remote console
Expansion Support	Scalable up to (120) hard drives in cascading (2) JB4602
Power Supply	(2) 1400W high efficiency redundant PSUs, 200-240VAC, 50/60Hz, Platinum or (2) 1200W high efficiency redundant PSUs, 100-240VAC, Platinum
Cooling Fans	(7+1) Rotors redundant fan modules per system • (2) Rotors in a fan module and (4) fan modules per system
Firmware Management	SCSI Enclosure Service (SES-2/SES-3)
LED Indicators	Front panel : • System ID LED • HDD status LED • System status LED • Fan/PSU/SIM/ISIM status LED HDD Active and ID/Status LED Internal SAS Interface Module Status LED SAS Interface Module Status LED

All specifications and figures are subject to change without prior notice. Actual products may look different from the photos.

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