HPE Nimble Storage SF100 Secondary Flash Dual Controller 10GBASE-T 2-port Base Array (Q8B42A)

Disk Storage Systems

Overview

Want to accomplish real work with your backup data? HPE Nimble Storage Secondary Flash Arrays let you put your backup data to work. The systems provide a single platform for backup and disaster recovery, and with flash-optimized performance can also run real workloads like development/test and analytics. They deliver significant data efficiency savings through always-on deduplication and compression, and are a third of the cost for backup and DR when used with all-flash.

Secondary Flash Arrays integrate with Veeam availability software to both simplify and improve data management, making array capabilities accessible through the Veeam GUI, and accelerating backup verification.

Features

Put Your Backup Data to Work

Secondary storage that does real work: Flash performance lets you use your backup data for development/test, QA, analytics, and more.

Eliminates need for full backups: And speeds synthetic full backups from hours to minutes.

Faster backup verification: Makes it possible to test backups more often than ever before.

Flash Enhanced Data Protection

Near-instant restores: Access files, VMs, applications, and entire systems directly on the Secondary Flash Array or rapidly copy them back to primary storage.

Near-instant disaster recovery: Fail over from primary storage to Secondary Flash Arrays and resume production workloads at flash speed.

Data reduction without penalty: Always-on, inline deduplication and compression increases effective capacity without impacting performance.

Backup and DR at a third of the cost, when replicating from all-flash to secondary flash.

Radical Simplicity

Converged infrastructure: Reduce footprint by combining backup, disaster recovery, and secondary storage workloads into one device.

Worry-free operations: HPE InfoSight Predictive Analytics delivers 99.9999% measured availability by resolving 86% of problems before you are even aware of an issue.[1,2]

Rich data services with common management and mobility across all HPE Nimble Storage products.

Cloud-ready: Future-proof your data center for the cloud with HPE Nimble Storage Cloud Ready flash arrays.

Technical specifications

HPE Nimble Storage SF100 Secondary Flash Dual Controller 10GBASE-T 2-port Base Array

Product Number (SKU)	Q8B42A
Capacity	HPE Nimble Storage SF-Series Secondary Flash Arrays (capacity per array, with expansion): Starting at 21 TB Raw 16 TB Useable 128 TB Effective, up to 210 TB Raw up to 169 TB Usable up to 3 PB Effective (Assumes typical 3x to up to 18x savings, based on Backup retention policy, on a Veeam target) Starting configuration based on HPE Nimble Storage SF100 Secondary Flash Array.
Drive description	Up to (21) LFF MDL SAS HDDs 1/2/4/6/10TB drive capacities supported, depending on model. (3 or 6) SFF SSD Depending on configuration. 480/960/1920/3840GB SSD Cache capacities supported, depending on model.
Enclosures	(2) Maximum Expansion Shelves supported.
Maximum drives per enclosure	(21) HDDs and Flash Cache per base array or SF Series Expansion Shelf.
Host interface	1 GbE/10GbE iSCSI (4) Ports and 1 GbE/10GbE iSCSI (4) Ports or 1 GbE/10GbE iSCSI (4) Ports and 10 GbE iSCSI (4) Ports or 1 GbE/10GbE iSCSI (4) Ports and 16 Gb/8 Gb Fibre Channel (4) Depending on configuration.
Storage controller	2
Availability features	Triple+ Parity RAID for data protection Redundant storage controllers Redundant power supplies and fans
Servers supported	HPE ProLiant rack mount and blades HPE Integrity servers Oracle® SPARC, x86 Cisco® UCS IBM® AIX servers Industry Standard Servers Maximum, depending on model
Compatible operating systems	Microsoft Windows Server VMware ESXi SUSE Linux Enterprise Server (SLES) Red Hat Enterprise Linux (RHEL) Ubuntu Server Edition LTS Oracle Linux Citrix XenServer Oracle Solaris IBM AIX For the latest information on supported operating systems refer to Single Point of Connectivity Knowledge for HPE Storage Products (SPOCK): https://www.hpe.com/storage/spock
Minimum dimensions (H x W x D)	W445mm x D673mm x H175mm
Weight	48kg
Warranty	Warranty Standard Statement HPE Nimble Storage arrays come with the following warranties: 1-year, parts-only warranty for hardware components 90 day, software updates for defects. Additionally, HPE Nimble Storage will provide phone support for replacing a defective part. Additional support coverage is required for HPE Nimble Storage arrays. NOTE: For hardware warranty claims, defective part must be received before replacement parts are shipped.

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.

- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.

- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.

- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.
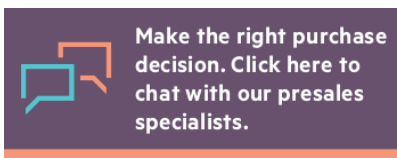
Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

[1]Source: Based on actual customer data collected by the HPE Nimble Storage Support organization. See also https://www.hpe.com/h20195/v2/Getdocument.aspx?docname=a00018503ENW

[2]Source: Based on actual customer data collected by the HPE Nimble Storage Support organization. See also https://www.hpe.com/h20195/v2/Getdocument.aspx?docname=a00018503ENW

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