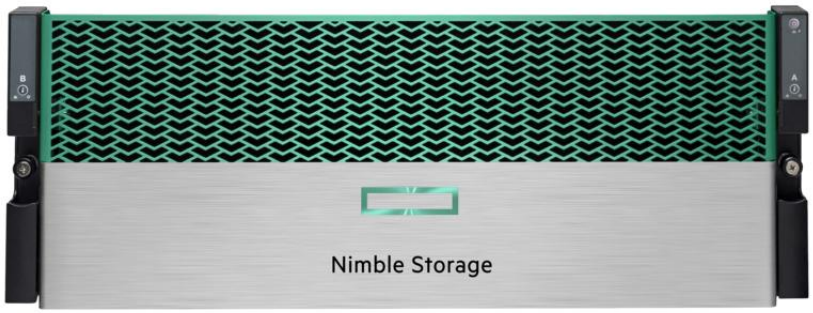
Hewlett Packard Enterprise

HPE Nimble Storage AF20Q All Flash Dual Controller 10GBASE-T 2-port Configure-to-order Base Array (Q8H73A)

Disk Storage Systems



What's new

- Performance is up to 65% faster and twice the scalability of previous HPE Nimble Storage All Flash Arrays. [2]
- Cost-effective entry-level all-flash array.
- HPE Store More Guarantee delivers more effective capacity per terabyte of raw flash than competitive all-flash arrays. [3]

Overview

Are you struggling to find the perfect combination of flash storage and predictive analytics? HPE Nimble Storage All Flash Arrays combine a flash-efficient architecture with HPE InfoSight predictive analytics to achieve fast, reliable access to data and 99.9999% guaranteed availability. [1] Radically simple to deploy and use, the arrays are cloud-ready, providing data mobility to the cloud through HPE Cloud Volumes. Your storage investment made today can support you well into the

- Future-proofed for NVMe and SCM based on our timeless storage.

future, thanks to our technology and business-model innovations. HPE Nimble Storage All Flash Arrays include all-inclusive licensing, easy upgrades, and flexible payment options – while also being future-proofed for new technologies, such as NVMe and Storage Class Memory (SCM).

Features

Predictive Analytics

HPE Nimble Storage All Flash Arrays automatically predict and resolve 86% of problems before you even know there is an issue. [4]

Transforms the support experience through cloud-based predictive analytics and Level 3-only support.

Holistic view across the infrastructure stack to resolve problems beyond just storage.

Simplifies planning with prescriptive forecasts into capacity, performance, and bandwidth requirements.

Makes infrastructure smarter and more reliable by learning from the installed base.

Radical Simplicity

HPE Nimble Storage All Flash Arrays are simple to deploy use, and manage.

This product is cloud-ready and deploys flash on-premises or in the cloud with common data services and mobility between all-flash, adaptive flash, and HPE Cloud Volumes.

HPE Nimble Storage All Flash Arrays are future-proofed for NVMe and SCM. The offering comes with a satisfaction guarantee, all-inclusive software licensing, flat support pricing, replacing all the hardware for upgrades, and an option to receive a free faster controller upgrade after three years.

Radically easy to integrate with many ecosystems and has a deep integration with VMware®, Microsoft® applications, Oracle, Veeam, and others.

Fast and reliable

HPE Nimble Storage All Flash Arrays are scale-to-fit. They scale up performance and capacity independently and non-disruptively; and scale out to four arrays managed as one for increased flexibility.

Up to 5X or more data reduction from variable block inline deduplication and compression. [5]

Backup and disaster recovery (DR) from all-flash to adaptive flash arrays at one-third the cost.

Data reduction, snapshots, and Triple+ Parity RAID with no performance impact.

Sub-millisecond response time for performance-sensitive enterprise workloads.

Absolute Resiliency

HPE Nimble Storage All Flash Arrays has 99.9999% guaranteed availability.

Triple+ Parity RAID can handle three simultaneous drive failures and provides additional protection through intra-drive parity.

App-granular, FIPS-certified encryption provides data-at-rest and over-the-wire

protection, data shredding is built-in.

Native application-consistent snapshots and replication, as well as integration with leading backup software.

Technical specifications

HPE Nimble Storage AF20Q All Flash Dual Controller 10GBASE-T 2-port Configure-to-order Base Array

Product Number (SKU)	Q8H73A
Capacity	Up to 46 TB raw, 128 TB effective capacity
Drive description	SATA SSDs: 240 GB, 480 GB, 960 GB, 1.92 TB, 3.84 TB
Enclosures	All-flash chassis with up to one all-flash expansion shelf
Maximum drives per enclosure	24
Host interface	Each array controller has 2 x 10GbE ports built in. Optional ports are 1GbaseT, 10GbaseT, or 10GbE SFP+, or 8/16G Fibre Channel.
Storage controller	Redundant storage controllers
Availability features	Triple+ Parity RAID for data protection (triple drive and intra-drive parity), 99.9999% guaranteed availability, redundant hardware/software design, no single points of failure.
Compatible operating systems	Microsoft Windows® Server® VMware ESXi™ SUSE® Linux® Enterprise Server (SLES) Red Hat® Enterprise Linux (RHEL) Ubuntu Server Edition LTS Oracle Linux Oracle Solaris Citrix® XenServer IBM AIX, HP-UX For the latest information on supported operating systems refer to Single Point of Connectivity Knowledge (SPOCK) for HPE Storage products: https://www.hpe.com/storage/spock
Minimum dimensions (H x W x D)	17.58 x 43.9 x 89 cm
Weight	52 kg (43 kg all-flash shelf)
Warranty	HPE Nimble Storage All Flash Arrays come with the following warranties 1-year, parts-only warranty for hardware components and 90-day, software updates for defects. Additionally, Hewlett Packard Enterprise provides phone support for replacing a defective part. Additional support coverage is required for HPE Nimble Storage All Flash Arrays. Note: For hardware warranty claims, defective part must be received before replacement parts are shipped.

For additional technical information, available models and options, please reference the QuickSpecs

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 personalize 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] HPE Get Six Nines Guarantee:
https://www.hpe.com/h20195/v2/Getdocument.aspx?docname=a00026086enw
[2] Based on HPE Engineering performance tests and measurements versus the previous generation of HPE Nimble Storage All Flash arrays.
[3] HPE Store More Guarantee:
http://h20195.www2.hpe.com/V2/GetDocument.aspx?docname=a00039975enw
[4] Based on actual customer data collected by the HPE Nimble Storage support organization. See
https://www.hpe.com/h20195/v2/Getdocument.aspx?docname=a00018503ENW
[5] Based on customer data as analyzed by HPE InfoSight and also from data reduction evaluation by HPE Engineering.

Image may differ from the actual product
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