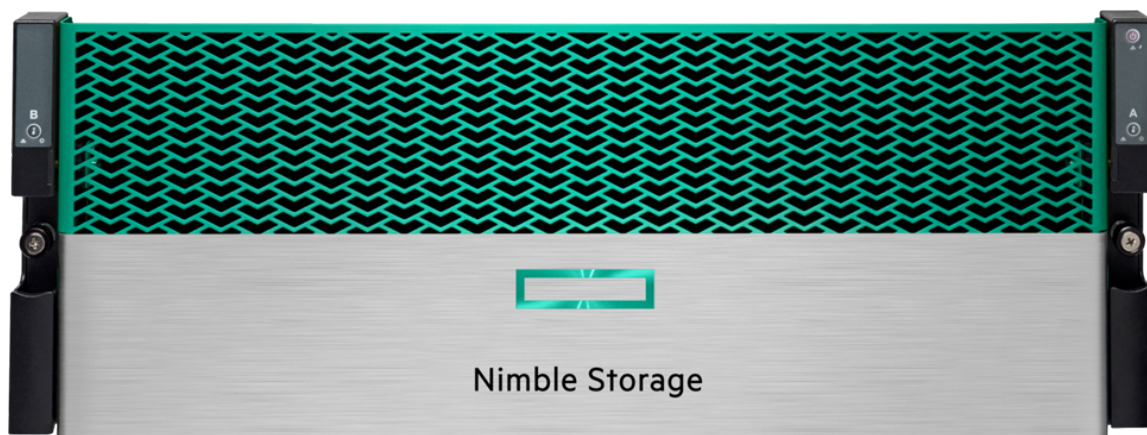


HPE Nimble Storage AF80 All Flash Array Dual Controller Upgrade Base Array (R7F87A)



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

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, 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 AF80 All Flash Array Dual Controller Upgrade Base Array

Product Number	R7F87A
Drive description	SATA SSDs: 240 GB, 480 GB, 960 GB, 1.92 TB, 3.84 TB
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	<p>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</p> <p>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</p>
Product dimensions (metric)	17.58 x 43.9 x 89 cm
Weight	52 kg (43 kg all-flash shelf)
Warranty	<p>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.</p>

[1] HPE Get Six Nines Guarantee: 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 hpe.com/h20195/v2/Getdocument.aspx?docname=a00018503ENW

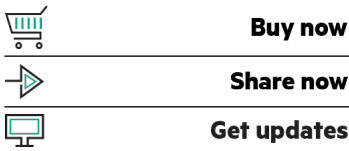
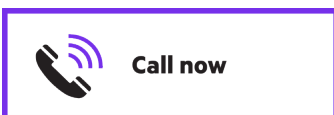
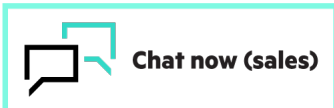
[5] Based on customer data as analyzed by HPE InfoSight and also from data reduction evaluation by HPE Engineering.



[For additional technical information, available models and options, please reference the QuickSpecs](#)

**Make the right purchase decision.
Contact our presales specialists.**

[Find a partner](#)



**Hewlett Packard
Enterprise**

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them [here](#).

Explore **HPE GreenLake**

© Copyright 2024 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Microsoft and Windows Server are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Oracle is a registered trademark of Oracle and/or its affiliates. Red Hat is a registered trademark of Red Hat, Inc. in the United States and other countries. Citrix is a registered trademark of Citrix Systems, Inc. and/or one more of its subsidiaries and may be registered in the United States Patent and Trademark Office and in other countries. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. VMware and VMware ESXi are registered trademarks or trademarks of VMware, Inc. in the United States and/or other jurisdictions. All other third-party trademark(s) is/are property of their respective owner(s).

Image may differ from the actual product
[PSN1013152291IEEN](#), June, 2024.