

HPE Nimble Storage AF1000 All Flash Array

The world's biggest little all-flash array



HPE Nimble Storage AF1000 is the all-flash entry point to the **HPE Nimble Storage flash arrays** platform. It delivers the functionality and scalability of a high-end all-flash array at a very attractive price point. And it's all flash. Always fast. All the time.

Small but mighty

The array is scalable from 20 to 165 TB effective capacity in just 4U. Non-disruptively upgradable to any other **HPE Nimble Storage All flash Array** model achieving over 2 PB in just 12U. And if that's not enough, it can scale out to over 8 PB of all-flash capacity in a single cluster.

Radically simplify operations—the new way

The array includes HPE InfoSight predictive analytics to predict and prevent issues across the infrastructure stack, removing issues of complex troubleshooting. Dealing with traditional IT support is a thing of the past because tasks handled by traditional level 1 and 2 support staff are automated by HPE InfoSight. The HPE Nimble Storage support organization is made up entirely of level 3 experts who answer calls in less than a minute on average. The most complex issues are rapidly resolved because HPE InfoSight already has the information required to solve the problem.

Bulletproof and feature rich

- Guaranteed availability—99.9999%
- Achieves 20% more usable capacity per TB of raw flash than other all-flash arrays
- Industry-leading, inline variable block deduplication and compression
- Advanced Triple+ Parity RAID for unparalleled resiliency
- Integrated data protection for backup and disaster recovery

We've got your back with timeless storage

Say goodbye to forklift upgrades and hidden costs. Our **timeless guarantee** provides all-inclusive software and flat support pricing for six years. Also, there is an option for a free controller upgrade after three years—a controller that's guaranteed to be faster.

Warning: Storage addiction ahead

Try the HPE Nimble Storage AF1000, or any HPE Nimble Storage Flash array. You will be completely addicted. We guarantee that.

Thousands of HPE Nimble Storage customers are already addicted to our flash arrays. Use it for 30 days at no risk as described in our **satisfaction guarantee**.

HPE Nimble Storage AF1000 summary specifications

Raw capacity (TB/TiB)	6–46/5–42
Usable capacity (TB/TiB)	4–33/3–30
Effective capacity (TB/TiB)	20–165/15–150
Maximum number of expansion shelves	1
RAID level	Triple+ Parity
Maximum IOPS (100% read)	40,000
Maximum IOPS (70% read/30% write)	35,000
Onboard iSCSI/Management 1 Gb/10 Gb ports per array	4
Optional iSCSI 1 Gb ports per array	4 or 8
Optional iSCSI 10 Gb ports per array	4
Optional FC 8 Gb/16 Gb ports per array	4 or 8
Power requirement (Watts/kVA)	550/0.61

SSD expansion shelf

Raw capacity (TB/TiB)	6–184/5–167
Usable capacity (TB/TiB)	4–137/4–124
Effective capacity (TB/TiB)	20–685/19–620
Power requirement	325W/0.36 kVA

Note: Effective capacity assumes 5X data reduction; see HPE Nimble Storage AF-series [specifications sheet](#) for full details.

Physical specifications

Dimensions	7" x 17.5" x 26.5" (h x w x d) 17.8 cm x 44.5 cm x 67.3 cm 4 rack units
Weight	80 lb/36 kg



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