Hewlett Packard Enterprise

HPE Nimble Storage CS1000/H Adaptive Flash Array

Predictive. Cloud ready. Radically simple.

Finally, radically simple cloud-ready storage that leverages the power of predictive analytics. Experience all flash-like performance from a hybrid array due to the efficient design of HPE Nimble Storage Adaptive Flash Arrays.

HPE Nimble Storage CS1000/H Adaptive Flash Array is the hybrid flash storage entry-point to the **HPE Nimble Storage flash arrays**. The array delivers six-nines of guaranteed availability and comprehensive data services including always-on data reduction, encryption, and replication. Sub-millisecond response times make HPE Nimble Storage CS1000/H ideal for mixed or mainstream workloads requiring high performance.

Small, mighty, and adaptive

HPE Nimble Storage CS1000/H is small but mighty and can scale from 13 TB to over 1.9 PB of effective capacity. Both HPE Nimble Storage CS1000 and HPE Nimble Storage CS1000H can be non-disruptively scaled up all the way to an HPE Nimble Storage CS7000 supporting over 2.3 PB of effective capacity. And if that's not enough, it can non-disruptively scale out to over 8 PB of capacity in a cluster managed as one. Performance can be scaled independently of capacity to flexibly match workload and capacity requirements. Adaptive flash arrays automatically optimize for capacity and performance, while allowing you to change the service level of any volume at the click of a button.

HPE InfoSight—Putting your infrastructure on autopilot

HPE InfoSight eliminates the stress of dealing with infrastructure. It uses cloud-based predictive analytics and machine learning to anticipate and prevent problems before your business is impacted. As it analyzes and correlates millions of sensors per second from thousands of customers, all HPE Nimble Storage customers benefit as their systems get smarter. No need to worry about infrastructure anymore—HPE InfoSight takes care of it for you.

Bulletproof and feature rich

- Over 99.9999% guaranteed availability through predictive analytics and no single point of failure hardware and software design.

- Advanced Triple+ Parity RAID for unparalleled data resiliency. Tolerate three simultaneous drive failures plus additional protection from intra-drive failures.

- Integrated **data protection** for backup and disaster recovery. Back up more frequently and recover faster with built-in application consistent snapshots and replication.

- SmartSecure encryption: Provides application-granular FIPS-certified encryption and secure data shredding. Achieve end-to-end security for data at rest and on-the-wire when replicated off-site.

HPE Nimble Storage CS1000 and HPE Nimble Storage CS1000H summary specifications

	HPE Nimble Storage CS1000	HPE Nimble Storage CS1000H
Raw capacity (TB/TiB)	21–1,218/19–1,108	11–1,198/10–1,090
Usable capacity (TB/TiB)	16–982/14–893	7–952/6–866
Effective capacity (TB/TiB)	32–1,964/29–1,786	13–1,905/12–1,733
Max number of expansion shelves (hybrid/all flash)	6/1	6/1
Flash capacity (TB/TiB)	0.7–28/0.65–25	0.5–28/0.4–25
RAID level	Triple+ Parity	Triple+ Parity
Onboard iSCSI/Management 1 Gb/10 Gb ports per array	4	4
Optional iSCSI 1 Gb ports per array	4 or 8	4 or 8
Optional iSCSI 10 Gb ports per array	4 or 8	4 or 8
Optional FC 8 Gb/16 Gb ports per array	4 or 8	4 or 8
Max power requirement (Watts/kVA)	600W/0.67 kVA	500W/0.56 kVA

Note: Effective capacity assumes 2X data reduction. See **product specifications** for full details.

ES2 expansion shelves

Raw capacity (TB/TiB)	21–210/18–180
Usable capacity (TB/TiB)	16–169/14–154
Effective capacity (TB/TiB)	32–337/28–308
Flash capacity (TB/TiB)	0.7–108/0.7–98 (ES2 hybrid) 3.8–184/3.5–167 (ES2 all flash for hybrid)
Power requirement	500W/0.56 kVA (ES2 hybrid) 325W/0.36 kVA (ES2 all flash for hybrid)

Physical and environmental specifications
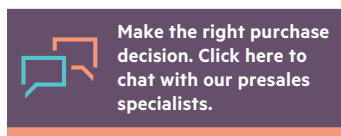
Dimensions	7" x 17.5" x 26.5" (h x w x d) 17.8 cm x 44.5 cm x 67.3 cm 4 rack units
Weight	105 lb/48 kg

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 CS1000/H or any HPE Nimble Storage flash array. You will be completely addicted. We guarantee it. Thousands of customers are already addicted to our **predictive cloud platform**. Use it for 30 days at no risk as described in the **HPE Nimble Storage satisfaction guarantee**.

Learn more at
hpe.com/storage/nimble

Make the right purchase decision. Click here to chat with our presales specialists.

f 🐦 in ✉

Sign up for updates