



HPE MSA 2050 SAS DC Power LFF Storage (Q2P39A)

Disk Storage Systems



What's new

- Introducing new self-encrypting SSDs for enhanced security in a hybrid flash array configuration.
- 800 GB and 1.6 TB SAS 12G mixed use small form factor SSDs with a three-year warranty

Overview

Looking for affordable, high-performance shared storage? The HPE MSA 2050 SAN Storage is a flash ready system designed for affordable application acceleration ideal for small and remote office deployments. Don't let the low cost fool you, it gives you the combination of simplicity, flexibility to grow now, and advanced features you may not expect in an entry-priced array. Start small and scale as needed with any combination of solid state drives (SSDs), high-performance enterprise, or lower-cost midline SAS-based hard disk drives (HDDs). HPE MSA 2050 SAN Storage has been the industry-leading entry storage Fibre Channel (FC) platform for the past eight years, with nearly 500,000 systems sold worldwide [1]. Delivers 2x

higher performance [2] than the previous generation at the same price, delivering in excess of 200,000 IOPS. It's seriously simple and affordable flash-ready storage to help you get the most performance for the lowest cost.

Features

Accelerates Applications Affordably

The HPE MSA 2050 SAN Storage performs at 200,000 IOPS delivering affordable application acceleration for small to medium-sized businesses both local and remote.

Flexible base model delivers 2X more performance than the previous generation HPE MSA 2040 SAN Storage for the same price.

Advanced Data Services With No Experience Required

The HPE MSA 2050 SAN Storage is easy to install, easy to use, easy to maintain, no previous storage expertise required.

Automated tiering dynamically responds to workload changes, so you don't have to.

Keep Your Business Running with Expanded Data Protection Features

The HPE MSA 2050 SAN Storage delivers updated virtualized snapshot technology making data protection and instant recovery a snap.

Remote replication with Fibre Channel (FC) and iSCSI supports an affordable disaster recovery solution.

Encrypted SSDs and HDDs for a data secure hybrid flash array.

Grow Flexibly Now and Into the Future

The HPE MSA 2050 SAN Storage supports data-in-place upgrades protecting drive investments and reduces data migrations.

Start small and scale as needed with any combination of SSDs, enterprise or midline SAS HDDs.

Technical specifications**HPE MSA 2050 SAS DC Power LFF Storage**

Product Number (SKU)	Q2P39A
Capacity	960 TB LFF maximum raw capacity
Drive description	96 LFF SAS/MDL SAS/SSD maximum including expansion, supported
Host interface	One 12 Gb SAS 4-ports per controller is included
Storage controller	2 HPE MSA 2050 SAS controllers included
Storage expansion options	HPE MSA 2050 LFF Disk Enclosure or HPE MSA 2050 SFF Disk Enclosure or the HPE MSA 2050 SAN DC-Power Carrier Grade SFF Disk Enclosure
Clustering support	Windows, Linux, HP-UX, OpenVMS
SAN backup support	Yes
Systems Insight Manager support	Yes
Compatible operating systems	Microsoft Windows Server 2016 Microsoft Windows Server 2012, Microsoft Windows Server 2012 R2, Microsoft Windows Hyper-V, HP-UX, Red Hat Linux, SUSE Linux, VMware, Detailed information available at: http://www.hpe.com/storage/spock
Form factor	2U
Minimum dimensions (H x W x D)	8.9 x 57.2 x 44.7 cm
Weight	18.4 kg
Warranty	Three-year limited warranty, parts exchange Next Business day delivery. For more warranty information refer to http://h20564.www2.hpe.com/hpsc/wc/public/home .

Additional resources

QuickSpecs

hpe.com/h20195/v2/GetDocument.aspx?docname=a00008276enw

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.

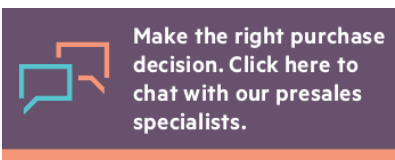
Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

[1] Source: IDC WW Quarterly Enterprise Storage Systems Tracker, 4Q16, based on vendor revenues.

[2] Performance based on comparison of HPE MSA 2040 SAN Storage to the HPE MSA 2050 SAN Storage systems using 16 Gb Fibre Channel 'Virtual' storage, Mixed Use SSDs, RAID 1, 8K Random Reads and Writes. IOPS: MSA 2050 Random Reads 220,600 MSA 2040 Random Reads 96,000 Improvement: 2.3x MSA 2050 Random Writes 102,800 MSA 2040 Random Writes 40,500 Improvement: 2.5x

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