



**Hewlett Packard**  
Enterprise

# HPE MSA 2052 SAN DUAL CONTROLLER LFF STORAGE (Q1J02B)

## MSA Storage



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### WHAT'S NEW

- New TAA-compliant HPE MSA 2052 Dual Controller Storage Array models including support for SAN SFF, SAN LFF, SAS SFF and SAS LFF.

### OVERVIEW

Looking for seriously simple and affordable flash storage? The HPE MSA 2052 SAN Storage is a hybrid flash system designed for affordable application acceleration for small and remote office deployments. Don't let the low cost fool you it gives you the combination of simplicity, flexibility and advanced features you may not expect in an entry-priced array. Start with 1.6 TB of flash capacity included and scale as needed with any combination of solid state disks (SSD), high-performance enterprise, or lower-cost midline SAS-based drives. The HPE MSA 2052 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]. Delivering performance in excess of 200,000 IOPS, it can save you up to 40% [2] with an all-inclusive software suite and 1.6 TB of flash capacity included. It's seriously simple and affordable flash storage to help you get high performance for a low cost.

## FEATURES

### **Affordable Application Acceleration**

The HPE MSA 2052 SAN Storage performs in excess of 200,000 IOPS delivering outstanding application acceleration for small to medium-sized businesses either locally or remotely.

Delivers 2x more performance than the previous HPE MSA 2042 SAN Storage generation [2].

Save 40% on HPE MSA 2052 with all-inclusive software and 1.6 TB of Solid State Drive (SSD) capacity included.

### **Advanced Data Services with no Experience Required**

The HPE MSA 2052 SAN Storage is easy to install, easy to use, easy to maintain, no storage previous 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 2052 SAN Storage provides 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.

### **Grow Flexibly now and Into the Future**

The HPE MSA 2052 SAN Storage delivers data-in-place upgrades protecting drive investments and reduces data migrations.

Start small and scale as needed with any combination of Solid State Drives (SSDs), enterprise or midline SAS disk drives.



**Technical specifications****HPE MSA 2052 SAN Dual Controller LFF Storage**

<b>Product Number (SKU)</b>	Q1J02B
<b>Capacity</b>	Up to 168 TB LFF, maximum raw capacity
<b>Drive description</b>	Up to 12 LFF SAS/MDL and/or SAS/SSD
<b>Host interface</b>	16 Gb/8 Gb Fibre Channel 4-ports per controller or 1 GbE/10GbE iSCSI 4-ports per controller included
<b>Storage controller</b>	(2) HPE MSA 2050 SAN controllers included
<b>Storage expansion options</b>	Up to 7 HPE MSA 2050 LFF Disk Enclosures and/or HPE MSA 2050 SFF Disk Enclosures
<b>Clustering support</b>	Windows, Linux, HP-UX
<b>SAN backup support</b>	Yes
<b>Storage mirroring support</b>	Yes
<b>Systems Insight Manager support</b>	Yes
<b>Compatible operating systems</b>	Microsoft Windows Server 2019, 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 ESXi, OVMS. Detailed information available at: <a href="https://h20272.www2.hp.com/spock/">https://h20272.www2.hp.com/spock/</a>
<b>Form factor</b>	2U
<b>Product Dimensions (metric)</b>	8.9 x 49.5 x 44.7 cm
<b>Weight</b>	18.4 kg
<b>Warranty</b>	Three-year limited warranty, parts exchange Next Business day delivery. For more warranty information refer to <a href="https://support.hp.com/hpsc/wc/public/home">https://support.hp.com/hpsc/wc/public/home</a> .



Most, if not all IT organizations are on a digital transformation journey — each at a different stage. With over 11,000 IT projects conducted and 1.4 million customer interactions each year, [HPE Pointnext Services](#)' 15,000+ experts and its vast ecosystem of solution partners and channel partners are uniquely able to help you at every stage of your digital transformation. We bring together technology and expertise to help you drive your business forward and prepare for whatever is next.

Advisory and Professional Services help you accelerate your digital transformation. [Operational Services](#) help you remove complexity and respond rapidly to business demands.

### **Operational Services from HPE Pointnext Services**

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

- **[HPE Datacenter Care](#)** helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.
- **[HPE Proactive Care](#)** offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). [Read more](#)
- **[HPE Foundation Care](#)** helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. [Read more](#).

### **Other related services**

**[Defective Media Retention](#)** is optional and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

**[HPE Service Credits](#)** offers a menu of technical services, access additional resources, and specialist skills.

**[HPE Education Services](#)** delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.



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

## HPE GREENLAKE

HPE Greenlake is HPE's market-leading IT 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. HPE GreenLake delivers public cloud services and infrastructure for workloads 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](#).

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

[2] Performance based on comparison of HPE MSA 2042 SAN Storage to the HPE MSA 2052 SAN Storage systems using 16 Gb Fibre Channel 'Virtual' storage, Mixed Use SSDs, RAID 1, 8K Random Reads and Writes. IOPS: MSA 2052 Random Reads 220,600 MSA 2042 Random Reads 96,000 Improvement: 2.3x MSA 2052 Random Writes 102,800 MSA 2042 Random Writes 40,500 Improvement: 2.5x

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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.

Image may differ from the actual product  
[PSN1012683376CZEN](#), July, 2021.