



# HPE MSA 2052 SAS DUAL CONTROLLER SFF STORAGE (Q1J31B)

## MSA Storage

### 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 many 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 solution 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 SAS Dual Controller SFF Storage**

<b>Product Number</b>	Q1J31B
<b>Capacity</b>	Up to 76.8 TB SFF, maximum raw capacity
<b>Drive description</b>	Up to 24 SFF SAS/ENT and/or SAS/SSD
<b>Host interface</b>	12 Gb SAS 4-ports per controller, included
<b>Storage controller</b>	(2) HPE MSA 2050 SAS 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> .



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

## HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

### 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 Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

**HPE Integration and Performance Services** help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

### Other related services

[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.

**Defective Media Retention** is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

## 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.

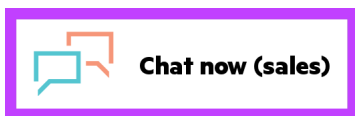
If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

[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  
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