



# HPE MSA 2052 SAS Dual Controller LFF Storage (Q1J30A)

## Disk Storage Systems



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### What's new

- Introducing new and higher capacity small form factor (SFF) and large form factor (LFF) drives.
- HPE MSA 2.4TB 12G SAS 10K SFF (2.5in) Enterprise 512e 3yr warranty hard drive; HPE MSA 12TB 12G SAS 7.2K LFF (3.5in) Midline 512e 1yr warranty hard drive.

### 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%<sup>[2]</sup> 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 <sup>[2]</sup>.

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 LFF Storage**

<b>Product Number (SKU)</b>	Q1J30A
<b>Capacity</b>	1152 TB LFF maximum raw capacity
<b>Drive description</b>	12 LFF SAS/MDL SAS/SSD
<b>Host interface</b>	12 Gb SAS 4-ports per controller, included
<b>Storage controller</b>	2 HPE MSA 2050 SAS Controller included
<b>Storage expansion options</b>	HPE MSA 2050 LFF Disk Enclosure or HPE MSA 2050 SFF Disk Enclosure
<b>Clustering support</b>	Windows, Linux, HP-UX, OpenVMS
<b>SAN backup support</b>	Yes
<b>Systems Insight Manager support</b>	Yes
<b>Compatible operating systems</b>	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 6 Detailed information available at: <a href="http://www.hpe.com/storage/spock">http://www.hpe.com/storage/spock</a>
<b>Form factor</b>	2U
<b>Minimum dimensions (W x D x H)</b>	8.9 x 57.2 x 44.7 cm
<b>Weight</b>	18.4 kg
<b>Warranty - year(s) (parts/labor/onsite)</b>	3/0/0
<b>Warranty</b>	Three-year limited warranty, parts exchange Next Business day delivery. For more warranty information refer to <a href="http://h20564.www2.hpe.com/hpsc/wc/public/home">http://h20564.www2.hpe.com/hpsc/wc/public/home</a> .

**Additional resources****QuickSpecs**

[hpe.com/h20195/v2/GetDocument.aspx?docname=a00008277enw](https://hpe.com/h20195/v2/GetDocument.aspx?docname=a00008277enw)

**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 personalize 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.

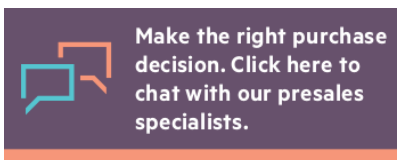
**Professional Services** helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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

[2] Performance based on comparison of HPE MSA 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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