



# HPE MSA 1050 SAN Storage

## Disk Storage Systems



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### What's new

- Introducing new drive options including Read Intensive SSDs and new HDD Bundles.
- Four new Read Intensive SSDs for lower cost flash storage; HPE MSA 960GB SAS RI SFF SSD, HPE MSA 1.92TB SAS RI SFF SSD, HPE MSA 960GB SAS RI LFF SSD and the HPE MSA 1.92TB SAS RI LFF SSD.
- New HDD bundles consisting of six individual drives of either 7.2K MidLine drives, 10K or 15K SAS drives.

### Overview

Need a modern shared storage array which is flash-ready when you are and affordable with what's left of a small budget? The HPE MSA 1050 SAN Storage brings affordable flash storage down to the most price sensitive customers. Designed to meet entry-level storage requirements, the HPE MSA 1050 SAN Storage is a good fit for budget constrained customers. With one of the lowest entry price point in the Hewlett Packard Enterprise Storage portfolio and field-proven HPE ProLiant compatibility, the HPE MSA 1050 SAN Storage is the platform of choice for smaller IT workloads. The HPE MSA 1050 SAN Storage features iSCSI, FC and SAS host interface connectivity at previously

unattainable entry price points. This storage allows users to take advantage of the latest storage technologies while also providing a balance between performance and budget. This portfolio has been the industry-leading entry storage FC platform [1] for the past eight years, with over 500,000 storage systems sold worldwide.

## Features

### **Affordable, Flash-ready Storage**

The HPE MSA 1050 SAN Storage base unit comes factory-configured with dual-controller arrays, four host ports delivering 8 Gb Fibre Channel, 1GbE iSCSI, 10GbE iSCSI or 12 Gb SAS.

Moving to a modern flash-ready array delivers performance enhancement and decreased latencies. Advanced data services and a small investment in flash can take your organization to the next level.

### **Simple, Proven HPE ProLiant Gen10 Compatible Shared Storage**

The HPE MSA 1050 SAN Storage continues its heritage of providing affordable, easy to use shared storage without a big learning curve with its intuitive setup and management for HPE ProLiant administrators.

Matching industrial design to fit right in with your HPE ProLiant Gen10 Servers.

### **Advanced Virtualization Services with a Simplified Licensing Approach**

The HPE MSA 1050 SAN Storage leverages flash with easy to use, easy to maintain tiering and read cache technologies.

No storage expertise necessary; this system dynamically responds to workload changes so you don't have to.

### **Expandable and Upgradable to Meet New Demands**

With the HPE MSA 1050 SAN Storage, you can add additional hard disk drives (HDDs) or disk expansions to your HPE MSA 1050 SAN Storage or upgrade to the HPE MSA 2050 SAN Storage through data-in-place upgrades; a simple 15 minute upgrade.

No migrations required making it a lot easier to install and manage.

## Technical specifications

## HPE MSA 1050 SAN Storage

<b>Capacity</b>	576 TB maximum including expansion, depending on model.
<b>Drive description</b>	96 SFF or 48 LFF Maximum including expansion, depending on model
<b>Host interface</b>	8 Gb Fibre Channel, 4-ports per system or 1 Gb iSCSI, 4-ports per system or 10 Gb iSCSI, 4-ports per system or 12 Gb SAS, 4-ports per system, depending on model
<b>Storage controller</b>	2 HPE MSA 1050 2-port 8 Gb FC Controllers or 2 HPE MSA 1050 2-port 1 Gb iSCSI Controllers or 2 HPE MSA 1050 2-port 10 Gb iSCSI Controllers or 2 HPE MSA 1050 2-port 12 Gb SAS Controllers, depending on model
<b>Storage expansion options</b>	HPE MSA 2050 SFF Disk Enclosure or HPE MSA 2050 LFF Disk Enclosure
<b>Clustering support</b>	Windows, Linux, HP-UX
<b>SAN backup support</b>	Yes
<b>Storage mirroring support</b>	No
<b>Systems Insight Manager support</b>	Yes
<b>Compatible operating systems</b>	Microsoft Windows Server 2019 Microsoft Windows Server 2016 Microsoft Windows Server 2012 Red Hat Linux SuSE SLES Linux VMware HP-UX Detailed information available at: <a href="http://www.hpe.com/storage/spock">http://www.hpe.com/storage/spock</a>
<b>Form factor</b>	2U rack height
<b>Minimum dimensions ( H x W x D)</b>	8.9 x 49.5 x 44.7 cm
<b>Weight</b>	17.55 kg
<b>Warranty</b>	Three-year limited warranty, parts exchange Next Business day delivery. For more warranty information refer to <a href="http://www.hpe.com/storage/warranty">http://www.hpe.com/storage/warranty</a>

**For additional technical information, available models and options, please reference the QuickSpecs**

## 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.

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