

# HPE MSA 1050 12GB SAS DUAL CONTROLLER LFF STORAGE (Q2R20B)

## MSA Storage



### 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 server 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 Server 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 12Gb SAS Dual Controller LFF Storage

<b>Product Number</b>	Q2R20B
<b>Capacity</b>	672 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>Product Dimensions (metric)</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 SERVICES

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### 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

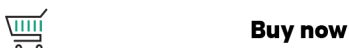
[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully 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.

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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.

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