

# HPE MSA 2060 12Gb SAS SFF Storage (R0Q78A)

MSA Storage



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## What's new

- HPE MSA Gen6 2060 Storage Array models and HPE MSA 2060 Drive Enclosure options with 94% efficient power supplies that meet EU Lot9 2023 power efficiency requirements.
- TAA compliant HPE MSA 2060 Storage Array models supporting LFF and SFF 16 Gb FC, SFF 10GbE iSCSI, and SFF 12 Gb SAS host connectivity.
- TAA compliant HPE MSA 2060 Disk Enclosure options for both LFF and SFF models.

## Overview

Is your company looking for easy to use, affordable, high-performance shared storage?

The HPE MSA 2060 Storage is a flash-ready hybrid storage system designed to deliver hands-free, 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 small and scale as needed with any combination of solid state drives (SSDs), high-performance Enterprise SAS HDDs, or lower-cost Midline SAS HDDs. With the ability to deliver up to 395,000 IOPS, the new HPE MSA

- Expand the capacity of your LFF HPE MSA 2060 Arrays and Drive Enclosure using the new HPE MSA 20 TB SAS 7.2K LFF HDD. Available as a single drive or six-pack drive option.
- Maximize the flash storage capacity of your HPE MSA 2060 Array and Drive Enclosures by adding the new HPE MSA 7.68 TB SAS RI SFF SSD.
- Add 25 Gb iSCSI host connectivity support to your MSA 2060 Array with the new HPE MSA 25Gb SFP28 Short Range 4-pack of iSCSI Transceivers.

2060 is up to 80% faster than its prior generation with ample horsepower for even the most demanding workloads.

## Features

### Accelerate Applications Affordably

The HPE MSA 2060 is capable of delivering up to 395,000 IOPS for affordable application acceleration for small to medium-sized businesses.

The HPE MSA 2060 allows users to define and deploy hybrid or flash storage configurations day one and grow as their needs change.

### HPE MSA's 'Set It And Forget IT' Data Services Does Not Require a Dedicated Storage Administrator

The HPE MSA 2060 Storage is easy to install, easy to use, easy to maintain, even for an IT generalist. Administrators will find the HPE MSA 2060's new Storage Management Utility intuitive and easy to navigate.

HPE MSA's automated tiering engine dynamically responds to workload changes so you don't have to, ensuring the hottest data will be moved to the fastest media automatically and in real-time.

### Leverage Data Protection Features to Keep Your Business Running in the Event of a Disaster

The HPE MSA 2060 Storage delivers virtualized snapshot technology making data protection and instant recovery a snap.

Remote replication via Fibre Channel (FC) or iSCSI facilitates a affordable disaster recovery solution.

Encrypted SSDs and HDDs with local key management can be deployed to deliver a secure, encrypted hybrid flash array.

### Flexible, Modular Architecture That Facilitates Growth Into the Future

The HPE MSA 2060 Storage solution supports a mixture of 3.5 inch LFF and 2.5 inch SFF expansion enclosures for a maximum of 9 enclosures (10 total including the array).

Start small and scale as needed with any combination of SSDs, Enterprise SAS or MidLine SAS HDDs.



## Technical specifications

## HPE MSA 2060 12Gb SAS SFF Storage

<b>Product Number</b>	R0Q78A
<b>Drive description</b>	Up to 24 SFF HDD and/or SSD per array model
<b>Capacity</b>	1843.2 TB with SFF expansion / 2344.32 TB with LFF expansion (with maximum expansion)
<b>Host interface</b>	8-ports 12Gb SAS, 4 ports per controller
<b>Storage controller</b>	(2) HPE MSA 2060 12Gb SAS storage controllers, 4-ports each
<b>Compatible operating systems</b>	Windows Server 2022 Windows Server 2019 Windows Server 2016 VMWare vSphere 6.7 Red Hat Linux 8 SuSE SLES 15
<b>Form factor</b>	2U
<b>Product Dimensions (metric)</b>	8.9 x 44.5 x 50.8 cm
<b>Weight</b>	5 kg
<b>Warranty</b>	Three-year limited warranty, parts exchange next business day delivery. Disk enclosures, hard drives and Options for the HPE MSA 2060 carry their own warranty.
<b>Clustering support</b>	Yes
<b>Systems Insight Manager support</b>	No
<b>Storage mirroring support</b>	No
<b>SAN backup support</b>	Yes
<b>Storage expansion options</b>	24 drive bay 2060 SFF drive enclosure and/or 12 drive bay 2060 LFF drive enclosure (add up to 9)
<b>Energy efficiency</b>	Energy Star Compliant

[1] Based on internal testing. See MSA QuickSpecs for details [www.hpe.com/storage/msa](http://www.hpe.com/storage/msa)



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.

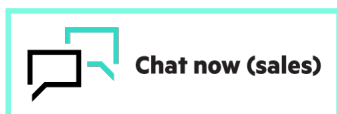
## HPE GreenLake

[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.

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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 [PSN1013054663WWEN](#), February, 2023.

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