# HPE MSA 2050 SAN STORAGE

## MSA Storage

## OVERVIEW

Looking for affordable, high-performance shared storage? The HPE MSA 2050 SAN Storage is a flash ready hybrid storage system designed for affordable application acceleration ideal for small and remote office deployments. Don't let the low cost fool you, it gives you the combination of simplicity, flexibility to grow now, 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, or lower-cost midline SAS-based hard disk drives (HDDs). HPE MSA 2050 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]. Delivers 2x higher performance [2] than the previous generation at the same price, delivering in excess of 200,000 IOPS. It's seriously simple and affordable flash-ready storage to help you get the most performance for the lowest cost.

## FEATURES

### Accelerates Applications Affordably

The HPE MSA 2050 SAN Storage performs at 200,000 IOPS delivering affordable application acceleration for small to medium-sized businesses both local and remote.

Flexible base model delivers 2X more performance than the previous generation HPE MSA 2040 SAN Storage for the same price.

### Advanced Data Services with no Experience Required

The HPE MSA 2050 SAN Storage is easy to install, easy to use, easy to maintain, no previous storage 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 2050 SAN Storage delivers 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.

Encrypted SSDs and HDDs for a data secure hybrid flash array.

### Grow Flexibly Now and Into the Future

The HPE MSA 2050 SAN Storage supports data-in-place upgrades protecting drive investments and reduces data migrations.

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

# Technical specifications      HPE MSA 2050 SAN Storage

| | |
|---|---|
| **Capacity** | 614 TB SFF or 1344 TB LFF, maximum raw capacity including expansion, depending on model |
| **Drive description** | Up to 192 SFF SAS/ENT and/or SAS/SSD, or up to 96 LFF SAS/MDL and/or SAS/SSD, maximum supported including expansion, depending on model and configuration |
| **Host interface** | 16 Gb/8 Gb Fibre Channel 8-ports per system or 1 GbE/10GbE iSCSI 8-ports per system or 12 Gb SAS 8-ports per system are supported depending on array model |
| **Storage controller** | 2x HPE MSA 2050 SAN controllers or 2x HPE MSA 2050 SAS controllers supported, depending on model |
| **Storage expansion options** | Up to 7x HPE MSA 2050 LFF Disk Enclosures and/or HPE MSA 2050 SFF Disk Enclosures, or 7x HPE MSA 2050 SAN DC-Power Carrier Grade SFF Disk Enclosures depending on array model |
| **Clustering support** | Windows, Linux, HP-UX |
| **SAN backup support** | Yes |
| **Storage mirroring support** | Yes |
| **Systems Insight Manager support** | Yes |
| **Compatible operating systems** | Microsoft Windows Server 2019, Microsoft Windows Server 2016, Microsoft Windows Server 2012, HP-UX, Red Hat Linux, SuSE SLES Linux, VMware ESXi, OVMS. Detailed information available at: http://www.hpe.com/storage/spock |
| **Form factor** | 2U |
| **Product Dimensions (metric)** | 8.9 x 49.5 x 44.7 cm |
| **Weight** | 18.4 kg |
| **Warranty** | Three-year limited warranty, parts exchange Next Business day delivery. For more warranty information refer to https://www.hpe.com/storage/warranty. |

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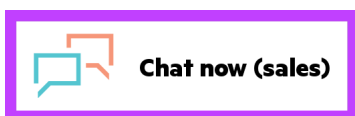
If you are looking for more services, like **IT financing solutions**, please explore them here.

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

[2] Performance based on comparison of HPE MSA 2040 SAN Storage to the HPE MSA 2050 SAN Storage systems using 16 Gb Fibre Channel 'Virtual' storage, Mixed Use SSDs, RAID 1, 8K Random Reads and Writes. IOPS: MSA 2050 Random Reads 220,600 MSA 2040 Random Reads 96,000 Improvement: 2.3x MSA 2050 Random Writes 102,800 MSA 2040 Random Writes 40,500 Improvement: 2.5x

**Make the right purchase decision.
Contact our presales specialists.**

Find a partner

Chat now (sales)

Buy now

Share now

Get updates

**Hewlett Packard Enterprise**