Hewlett Packard Enterprise

HPE MSA 1050 12Gb SAS Dual Controller SFF Storage (Q2R21A)

Disk Storage Systems

What's new

- Introducing new drive options including Read Intensive SSDs and new HDD Bundles.
- Four new Read Intensive SSDs for affordable flash storage; HPE MSA 960 GB and 1.92 TB SAS RI SFF and LFF SSDs.
- New HDD bundles consisting of six individual drives of either 7.2K MidLine drives, 10K or 15K SAS drives.
- New 14 TB LFF HDD and 6-pack bundle.

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 SFF Storage

Product Number (SKU)	Q2R21A
Capacity	307 TB Maximum including expansion
Drive description	96 SFF maximum including expansion
Host interface	12 Gb SAS 4-ports
Storage controller	2 HPE MSA 1050 2-port 12 Gb SAS Controller
Storage expansion options	HPE MSA 2050 SFF Disk Enclosure or HPE MSA 2050 LFF Disk Enclosure
Clustering support	Windows, Linux, HP-UX
SAN backup support	Yes
Storage mirroring support	No
Systems Insight Manager support	Yes
Compatible operating systems	Microsoft Windows Server 2019 Microsoft Windows Server 2016 Microsoft Windows Server 2012 Red Hat Linux SuSE SLES Linux VMware HP-UX
Form factor	2U rack height
Minimum dimensions (H x W x D)	8.9 x 49.5 x 44.7 cm
Weight	17.55 kg
Warranty	Three-year limited warranty, parts exchange Next Business day delivery. For more warranty information refer to http://www.hpe.com/storage/warranty

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 personalise 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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