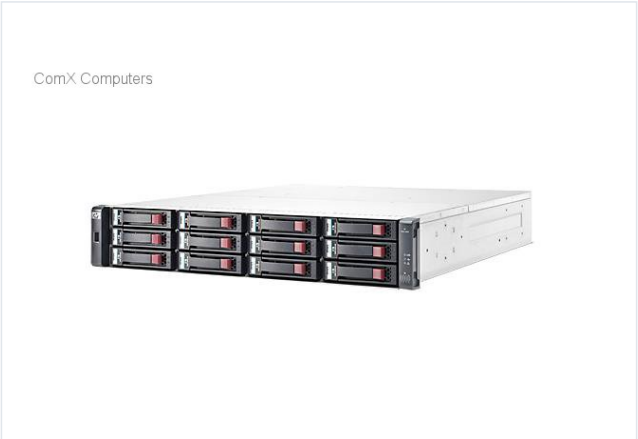
ComX Computers
Product Specification Sheet

K2R83A

HP MSA 2040 Energy Star SAS Dual Controller LFF Storage

Product Overview

HP MSA 2040 Energy Star SAS Dual Controller LFF Storage



Specifications

Overview:

Changing storage needs for server customers now requires greater levels of performance and functionality at a lower cost of ownership. The next generation HPE MSA 2040 Storage arrays raises the bar & uniquely addresses HPE ProLiant customers' shared storage and data protection needs, reduces TCO while dramatically increasing performance using technologies such as Solid State Drives, Snap and Volume copy, Replication and SEDs.

The MSA 2040 Storage arrays are positioned to provide an excellent value for customers needing increasing performance to support initiatives such as consolidation and virtualization. The MSA 2040 delivers this performance by leveraging new controller architecture with a new processor, four ports with 4GB cache per controller & using drive technologies such as SSDs.

The MSA 2040 Storage ships standard with 64 Snapshots and Volume Copy enabled for increased data protection and allow replication with optional Remote Snap software between arrays (FC or iSCSI only).

Features:

Simple: Flexible Architecture. Easy to Setup. Easy to Manage

- Choice of 8 Gb/16 Gb FC, 1 Gb/10GbE iSCSI and 12 Gb SAS to match the configuration needs of infrastructure.
- Deploy single or dual controllers depending on high-availability and budgetary requirements.
- Select disk enclosures with Large or Small Form Factor drives -choice of High-performance Solid State Drives, Enterprise-class SAS or SAS Midline drives or Self-Encrypting Drives (SED) based on application, performance and budget

needs.

- The integrated setup and management tools for MSA are easy to manage for HPE ProLiant/BladeSystems IT managers.

Fast: The MSA 2040 Sets New Standards for $/IOPS in Entry SAN, 3x to 4x Today's Competition

- New high-performance Converged SAN controller and SAS controller offer 4x the performance of today's other entry-level SAN arrays.
- 4-port Converged SAN controller supporting Fibre Channel and iSCSI and a SAS Controller with 4GB Cache translating into better application response time and ability to support more virtualized environments.
- SSD support with integrated "wear gauge" helps improves application performance and allows customers to reduce their operating costs by reducing foot prints and power consumptions.
- Self-Encrypting Drives (SEDs) designed to safeguard critical personal and business information and to comply with regulatory mandates.

Affordable: Entry SAN Performance to a whole new level

- Up to 4x IOPS over the previous P2000 G3 and competition
- Efficiently leverage SSD investments
- Boost VM/Application responsiveness

Futureproof: 2x the Bandwidth and the First Entry SAN with 16 Gb FC

- Choice of 8 Gb/16 Gb FC, 1 Gb/10GbE iSCSI and 12 Gb SAS to match the configuration needs of infrastructure.
- The 4th generation of MSA's unique Data-in-Place upgrades provides investment protection.
- Host ports upgradeable by SFPS (8 Gb/16 Gb FC) or (1 GB/10GbE iSCSI) allows customers to manage their total cost of ownership lower.

Specifications:

© 2016 Respective owners and brand holders. This table has been carefully researched and generated by ComXpert International CC (http://www.comx.co.za), however, errors and omissions may occur. Only references to South Africa apply. All products are sourced in South Africa from the official suppliers and the warranty is that of the local supplier. E&OE. This table and our site's content may be used on condition that this notice and link remains intact and unaltered.

Specifications	
Product Code	K2R83A
Capacity	96TB Raw
	Supported
Drive description	(12) LFF SAS/MDL SAS/SSD
Host interface	12Gb/sec SAS (4) Ports per controller or
	Included
Storage controller	(2) MSA 2040 SAS Controller
Storage expansion options	HPE MSA 2040 Energy Star LFF Disk Enclosure or D2700 2.5-inch disk enclosure
Form factor	2U
Minimum dimensions (W x D x H)	73.6 x 66 x 28 cm
Differentiator	Pre-Config array with (2) MSA 2040 SAS Controllers in a Large Form Factor (LFF) Chassis - 12 drive bay Chassis

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/K2R83A-HP-MSA-2040-Energy-Star-SAS-Dual-Controller-LFF-Storage-p-139000.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-18 08:12:46.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.