

## Produktinformation



### Information

<i>Tillverkare</i>	Hewlett Packard Enterprise
<i>Artnr</i>	K2R83A-REF

## HPE Modular Smart Array 2040 SAS Dual Controller LFF Storage - Hard drive array - 12 bays (SAS-2) - SAS 12Gb/s (external) - rack-mountable - 2U

The HP MSA 2040, a high-performance storage array designed for entry-level HP customers. This MSA 2040 storage array provides an excellent value for customers needing performance balanced with price to support initiatives such as consolidation and virtualization. The HP MSA 2040 storage system brings the performance benefits of SSDs to MSA array family customers. This array has been designed to maximize performance by using high performance drives across all applications sharing the array. The HP 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 HP MSA 2040 storage ships standard with a license for 64 snapshots and volume copy for increased data protection.

## Specifikation

### General

<b>Status</b>	R4
<b>Device Type</b>	Hard drive array
<b>Enclosure Type</b>	Rack-mountable - 2U

### Chassis

<b>Installed Devices / Modules Qty</b>	0
<b>Supported Devices / Modules Qty</b>	12
<b>Supported Drives</b>	SAS-2

### Storage

<b>Max Supported Capacity</b>	96 TB
<b>HDD Array External Interface</b>	SAS 12Gb/s
<b>Maximum LUNs</b>	512

### Processor

<b>CPU</b>	No CPU
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Storage Controller	
<b>Type</b>	RAID
<b>Installed Qty</b>	2
<b>Interface Type</b>	SAS 6Gb/s
<b>Data Transfer Rate</b>	600 MBps
<b>Cache / Buffer Size (Max)</b>	8 GB
<b>RAID Level</b>	RAID 0, RAID 1, RAID 3, RAID 5, RAID 6, RAID 10, RAID 50
Storage Controller (2nd)	
<b>Installed Qty</b>	2
Hard Drive	
<b>Type</b>	No HDD
Expansion / Connectivity	
<b>Expansion Bays</b>	12 (total) / 12 (free) - 3.5" LFF
<b>Interfaces</b>	2 x SAS 6Gb/s - 26 pin 4x Shielded Mini MultiLane SAS (SFF-8088) 2 x management 2 x management - RJ-45 8 x SAS 12Gb/s - 36 pin 4x Mini SAS HD (SFF-8644)
System Requirements	
<b>OS Required</b>	HP-UX, Red Hat Linux, SUSE Linux Enterprise Server, Microsoft Windows Server 2008 R2, Microsoft Windows Server 2012
Miscellaneous	
<b>Compliant Standards</b>	CISPR 22 Class A, BSMI CNS 13438 Class A, CISPR 24, EN 61000-3-2, GS, EN 61000-3-3, EN55022 Class A, CCC, ICES-003 Class A, UL 60950-1, IEC 60950-1, EN 60950-1, WEEE, RoHS, FCC Part 15 A, EN55024 Class A, CAN/CSA C22.2 No. 60950-1-03, VCCI Class A
Environmental Standards	
<b>ENERGY STAR Certified</b>	Yes
Power	
<b>Power Device</b>	2 x internal power supply - hot-plug
<b>Max Supported Qty</b>	2
<b>Power Redundancy</b>	Yes
<b>Power Redundancy Scheme</b>	1+1
<b>Voltage Required</b>	AC 120/230 V - 50/60 Hz
Dimensions & Weight	
<b>Width</b>	44.7 cm
<b>Depth</b>	57.2 cm
<b>Height</b>	8.9 cm
Environmental Parameters	

<b>Min Operating Temperature</b>	5 °C
<b>Max Operating Temperature</b>	40 °C
<b>Humidity Range Operating</b>	10 - 90% (non-condensing)
<b>Sound Emission</b>	55 dBA