



## HP StorageWorks MSA 2000sa and 2000i G2 Disk Arrays

### Overview

The HP StorageWorks 2000sa and 2000i Modular Smart Arrays (MSA2000sa G2 and MSA2000i G2) are new generations of entry-level disk arrays that help customers manage data growth and reduce business downtime.

The disk arrays are ideal for small to midsize businesses (SMBs) as well as remote office, departmental, secondary and tertiary storage needs. The MSA2000 G2 arrays deliver SMBs low-cost storage area network (SAN) solutions with highly available standard and virtualized server environments. The solutions can be configured with a single controller and feature cost-effective add-on capabilities for future expansion. Customers that need higher availability and improved performance can also configure the arrays with a dual controller.

The MSA2000sa G2 is a 3 Gigabit (Gb) Serial Attached SCSI (SAS) array that helps customers easily transition from direct attached to centralized storage. It is ideal for customers looking to virtualize their infrastructure. Customers can increase storage capacity by 33 percent per unit of rack space<sup>(1)</sup> and reduce 50 percent of power consumption<sup>(2)</sup> by using 2.5-inch small form factor (SFF) SAS drives. The unique four ports per controller easily allow the MSA2000sa G2 to support up to four HP ProLiant servers without requiring a switch. This external shared storage array also mixes enterprise-class, dual-ported SAS drives and archival-class SATA drives. Both large form factor (LFF) and SFF drives are supported.

The MSA2000i G2 is a 1Gb Ethernet (GbE) iSCSI array based on a familiar Ethernet infrastructure that makes it easy for customers to implement. This iSCSI array enables smaller companies with tight budgets and limited IT expertise to centralize their storage and lower costs. Larger companies can also use this solution to consolidate their storage when numerous departments and remote locations exist.

Additional benefits of the new MSA2000sa G2 and MSA2000i G2 arrays include:

### Optimized storage capacity

- Plan for future growth with support of up to four LFF drive enclosures and 60 drives, or up to three SFF drive enclosures and 99 drives
- Improve storage capacity with twice the number of drive support, four times the number of snapshots and double the performance than the previous generations
- Improve disk capacity and redundancy by allowing configuration of logical unit number (LUN) to up to 511 total volumes and LUN sizes up to 16 terabytes (TB)

### Reduced costs

- Lower infrastructure and management costs as customers can start small and purchase cost-effective interconnects and additional storage capacity only as needed – up to 29.7TB SAS or 60TB SATA
- Improved storage hardware costs by through a tiered storage architecture that utilizes SAS storage for high performance applications or cost-effective SATA storage for archiving
- Reduce data center footprint as the disk array unit occupies only two units of rack space and includes 12 or 24 drive bays

#### **Improved performance and availability**

- Improve business decision making by delivering faster access to data with rapid input/output (I/O) communication
- Increase data protection with broad RAID support and the newly enhanced HP StorageWorks MSA2000 Snapshot Software. The software includes controller-based snapshot and cloning functionality
- Reduce risk of delays and data loss with active/active controllers, dual-ported drives, and redundant hardware components that keep demanding applications running

More information about the HP StorageWorks MSA2000sa and MSA2000i G2 is available at [www.hp.com/go/msa2000sa](http://www.hp.com/go/msa2000sa) and [www.hp.com/go/msa2000i](http://www.hp.com/go/msa2000i).

#### **Pricing and availability**

The HP StorageWorks MSA2000sa and MSA2000i G2 will be available in June for an estimated U.S. list price starting at \$5,100.<sup>(3)</sup>

<sup>(1)</sup> Serial-attached SCSI drives compared to 3.5-inch large form factor drives.

<sup>(2)</sup> Based on internal HP testing.

<sup>(3)</sup> Actual price may vary.

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