MediaStore 5000 storage arrays provide scalable and reliable high-performance, disk-based shared storage for Spectrum™ media server systems. Up to 24 serial-attached SCSI (SAS) disk drives can be integrated into each compact, 2-RU MediaStore 5000 chassis, and up to four MediaStore chassis can be linked in a single Spectrum system. With disk capacity options of 300 GB, 900 GB or 1.2 TB, broadcasters can access up to 83.4 TB of usable online storage, making it easy to tailor a Spectrum system to their exact needs.

Each hot-swappable drive in a MediaStore 5000 enclosure is connected via two integral SAS expanders. Storage capacity can be added at any time without disrupting on-air operations, while SAS connectivity between MediaStores and the rest of the system guarantees the bandwidth required for real-time media operations. Up to four MediaStores can be daisy-chained in a single Spectrum system to create a complete server solution with unmatched bandwidth and storage capacity.

The MediaStore 5000 chassis connects to Spectrum MediaCenter 2251, 2252, 2251B or 2252B system controllers using two 6-Gbps SAS interfaces, providing the advantages of high throughput and complete path redundancy. Every MediaStore 5000 also includes dual redundant power supplies with automatic failover, integrated fans and separate power cables. Since all disk subsystem management is provided in software by MediaDirector — including all file system and RAID information — no hardware controller is required.

In addition to SCSI enclosure service (SES) support, Spectrum provides advanced drive diagnostics and error-correction capabilities. Configurable alerts and notifications enable users to easily maintain and manage their MediaStore 5000 system, resulting in the industry’s highest level of storage resiliency.

**HIGHLIGHTS**

- Up to 24 high-performance, hot-swappable SAS drives per chassis
- Three drive sizes available: 300 and 900 GB, and 1.2 TB
- 6-Gbps SAS interfaces
- Redundant hot-swappable power supplies with redundant fans and separate power cables
- SCSI enclosure service (SES) support

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877.822.4683
**SPECIFICATIONS**

### DRIVES

| Drives Supported | 16 or 24 SAS disk drives
| Host Interface   | 6 Gbps SAS
| Drive Interface  | 6 Gbps SAS
| Shock Operational| 5 g 10 ms ½ sine (vertical axis)
|                  | 30 g 10 ms ½ sine
| Vibration        | 0.21 g RMS 5-500 Hz random
| Operating        | 1.04 g RMS 2-200 Hz random
| Non-Operating    | 0.3 g 2-200 Hz sine, 0.4 decades per minute

### POWER

| Power Supply     | Redundant, hot-swappable
| Input Voltage Range | Auto ranging, 90 to 264 V AC
| Line Frequency   | 47/63 Hz
| Power Cord       | Two, 6 ft/1.83 m
| Consumption      | 344.3 W typical, 396 W maximum
| 16 Drives        | 254 W typical, 333 W maximum
| 24 Drives        | 282 W typical, 396 W maximum

### PHYSICAL

- Dimensions [W x H x D]: 17.5 in x 3.46 in x 22.71 in (2 RU)/44.3 cm x 8.79 cm x 57.68 cm
- Weight: 55 lbs/25 kg maximum total weight, enclosure fully populated

### ENVIRONMENTAL

- Operating Temperature Range: +4°F to 104°F (+5°C to 40°C)
- Operational Relative Humidity: 10-80% non-condensing

### STANDARDS & REGULATIONS

#### Safety
- UL 60950-1 2nd Edition
- CSA C22.2 Information Technology Equipment - Safety - part 1: General Requirements

#### CE
- Low Voltage Directive (73/23/EEC) including amendments
- EN60950: 1992, A1+A2+A3+A4
- Safety of Information Technology Equipment

#### Electromagnetic Compliance
- USA: FCC Part 15 Class A
- Japan: VCCI Class A
- Australia, New Zealand, EU: CISPR 22 Class A
- Taiwan: CNS 13438 Class A
- Canada: ICES-003 Class A
- EU: EN55022/EN55024 Class A
- Korea: KN22/KN24 Class A

### CONFIGURATIONS

<table>
<thead>
<tr>
<th>Drive Size</th>
<th>Part Number</th>
<th>Number of Drives</th>
<th>RAID Set</th>
<th>Usable Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 GB</td>
<td>MSS-5016-03H</td>
<td>16</td>
<td>2 (8 + 2)</td>
<td>3.49 TB</td>
</tr>
<tr>
<td>300 GB</td>
<td>MSS-5024-03H</td>
<td>24</td>
<td>3 (6 + 2)</td>
<td>7.23 TB</td>
</tr>
<tr>
<td>900 GB</td>
<td>MSS-5016-09H</td>
<td>16</td>
<td>2 (6 + 2)</td>
<td>10.47 TB</td>
</tr>
<tr>
<td>900 GB</td>
<td>MSS-5024-09H</td>
<td>24</td>
<td>3 (6 + 2)</td>
<td>15.71 TB</td>
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<tr>
<td>1.2 TB</td>
<td>MSS-5016-12H</td>
<td>16</td>
<td>2 (6 + 2)</td>
<td>13.97 TB</td>
</tr>
<tr>
<td>1.2 TB</td>
<td>MSS-5024-12H</td>
<td>24</td>
<td>3 (6 + 2)</td>
<td>20.94 TB</td>
</tr>
</tbody>
</table>

### OPTIONAL ACCESSORIES AND SPARE PARTS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP0115-001</td>
<td>1 m SAS cable, MiniSAS to MiniSAS, for MCP-2251 and MCP-2252</td>
</tr>
<tr>
<td>SP0116-001</td>
<td>2 m SAS cable, MiniSAS to MiniSAS, for MCP-2251 and MCP-2252</td>
</tr>
<tr>
<td>SP0117-001</td>
<td>5 m SAS cable, MiniSAS to MiniSAS, for MCP-2251 and MCP-2252</td>
</tr>
<tr>
<td>SPR-SPECT-SAS-CABLE-1M-001</td>
<td>1M SFF-8644 TO SFF-8088 SAS cable for MCP-2251B and MCP-2252B</td>
</tr>
<tr>
<td>SPR-SPECT-SAS-CABLE-2M-001</td>
<td>2M SFF-8644 TO SFF-8088 SAS cable for MCP-2251B and MCP-2252B</td>
</tr>
<tr>
<td>SPR-SPECT-SAS-CABLE-5M-001</td>
<td>5M SFF-8644 TO SFF-8088 SAS cable for MCP-2251B and MCP-2252B</td>
</tr>
<tr>
<td>SP0110-001</td>
<td>300 GB SAS hard disk drive</td>
</tr>
<tr>
<td>SP0111-001</td>
<td>600 GB SAS hard disk drive</td>
</tr>
<tr>
<td>SP0112-001</td>
<td>900 GB SAS hard disk drive</td>
</tr>
<tr>
<td>SP0125-001</td>
<td>1.2 TB SAS hard disk drive</td>
</tr>
<tr>
<td>SP0113-001</td>
<td>Spare power supply module</td>
</tr>
<tr>
<td>SP0118-001</td>
<td>Spare SAS I/O module</td>
</tr>
</tbody>
</table>