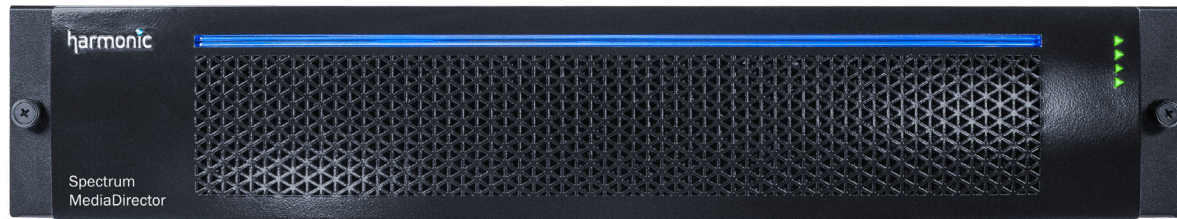


Spectrum™ MediaDirector 2251B

SYSTEM CONTROLLER



Spectrum™ MediaDirector 2251B system controllers are the core of the Spectrum media server system, actively managing the flow of data to and from Spectrum media I/O modules and MediaStore 5000 storage arrays.

MediaDirector 2251B provides six high-speed media I/O ports and the processing power to support a wide range of configurations and workflows. Its SAS interface provides redundant data paths between the MediaDirector and MediaStores.

MediaDirector can be dedicated to both real-time and IP packet processing. Three MediaDirectors can be linked together for scaling of channels or IP bandwidth – or both. MediaDirectors, individually or grouped, strictly manage overall system bandwidth to ensure uninterrupted real-time operations, even under heavy IP file-transfer loads.

MediaDirector 2251B systems are designed with a real-time Linux OS for fast startup and secure, reliable operation. In the unlikely event of a drive failure in a connected array, software RAID file system management enables efficient recovery of data.

Additional Features and Functions

System Expansion – A Spectrum system based on the MediaDirector 2251B can be expanded to a maximum of four MediaStore 5000 arrays, each containing up to 24 disk drives. Three MediaDirector 2251B units can be connected to the same file system via an Extended File Sharing (EFS) license.

External Clock Synchronization – An LTC input on MediaDirector supports a TOD clock.

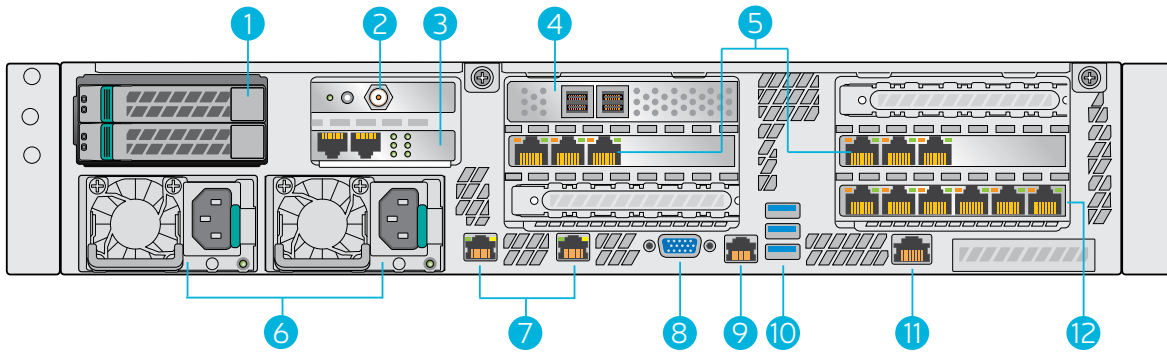
Resiliency – The MediaDirector 2251B supports multiple diagnostic, monitoring and notification features for system resiliency and maximum up time, and may be configured to automatically rebuild protected RAID sets in hot spare configurations.

HIGHLIGHTS

- Integrates file system, management, communication and all connectivity for Spectrum media servers
- Six high-speed media I/O ports
- Supports multiple diagnostic, monitoring and notification features for Spectrum system resiliency and availability
- 12-Gbps SAS interfaces provide multiple data paths to system storage
- Enables scalability of channels and IP bandwidth

Spectrum™ MediaDirector 2251B

SYSTEM CONTROLLER



- | | | |
|---|--|--|
| 1. Boot drive | 5. Media Ethernet array | 9. LAN (for Service only) |
| 2. LTC In connector | 6. Redundant, hot-swappable power supplies (0, 1 from left to right) | 10. USB ports (for Service only) |
| 3. 1 Gb Ethernet card (for system management) | 7. 10 Gb Ethernet ports (for file transfers) | 11. BMC (for Service only) |
| 4. Serial-attached SCSI (SAS) connectors | 8. VGA port | 12. 1 Gb Ethernet card (for EFS private network, license required) |

CONNECTIVITY

SAS	Two SAS 3.0 domains connect to arrays via miniSAS-to-miniSAS cables
Ethernet	NIC: Two 10-Gb Ethernet ports, copper with RJ45 connectors Base: Two 1-Gb Ethernet ports
EFS I/O	Six 1-Gb Ethernet ports for EFS private network connectivity
High-Speed Media I/O	Six 1-Gb Ethernet ports
Reference	Per Spectrum media I/O module Support for multiple timing standards on a single system Reference handled by Spectrum media I/O module independently

PHYSICAL

Dimensions (W x H x D)	17.5 in x 3.5 in x 30.75 in (2 RU)/ 44.3 cm x 8.9 cm x 78.1 cm
Weight	43.3 lbs/19.6 kg

ENVIRONMENTAL

Operating Temperature Range	+41° to 104° F/+5° to 40° C
Operational Relative Humidity	10-80% non-condensing

INTEGRATED SERVICES

File Access	FTP, SAMBA, AFP
API	Native player and media API

POWER

Power Supply	Redundant
Input Voltage Range	100-240 VAC
Line Frequency	50-60 Hz
Consumption	350 W maximum

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

INCLUDED ACCESSORIES

Power Cords	Two: 6 ft/1.83 m each
Rack-Mount Hardware Kit	19 in (standard)

SPARES KITS

Part Number	Description
SPR-SPECT-SAS-CABLE-1M-001	1 m SFF-8644 to SFF-8088 SAS cable for MediaDirector 225xB connection to MediaStore 5000
SPR-SPECT-SAS-CABLE-2M-001	2 m SFF-8644 to SFF-8088 SAS cable for MediaDirector 225xB connection to MediaStore 5000
SPR-SPECT-SAS-CABLE-5M-001	5 m SFF-8644 to SFF-8088 SAS cable for MediaDirector 225xB connection to MediaStore 5000
SPR-PSU-1100-INTEL-001	Power supply, 2 RU
SPR-FAN-2U-INTEL-001	Fan, 2 RU

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