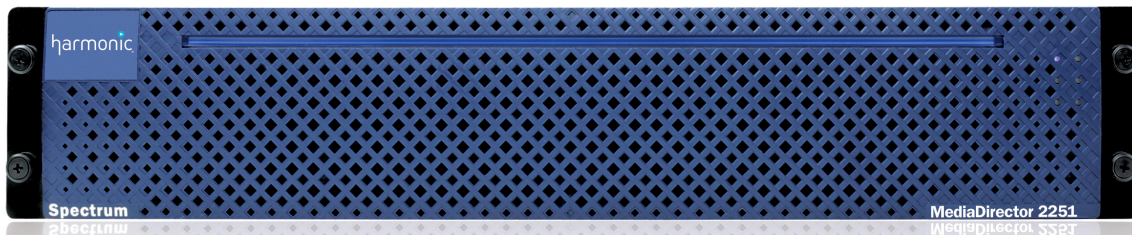


# Spectrum™ MediaDirector 2251

SYSTEM CONTROLLER



MediaDirector 2251 system controllers are the core of the Spectrum™ media system, actively managing the flow of data to and from other Spectrum components, such as MediaArray 5000 arrays and MediaPort 7000 media I/O modules. MediaDirector 2251 provides eight high-speed media I/O ports and the necessary processing power to support a wide range of configurations and workflows. Its SAS interface provides redundant data paths between the MediaDirector and MediaArrays.

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 2251 systems are designed with a flash-based real-time OS for fast startup and diskless operation, eliminating the risk of a system disk failure. 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 2251 can be expanded to a maximum of four arrays, each containing up to 24 disk drives. Three MediaDirector 2251 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 TOD clock.

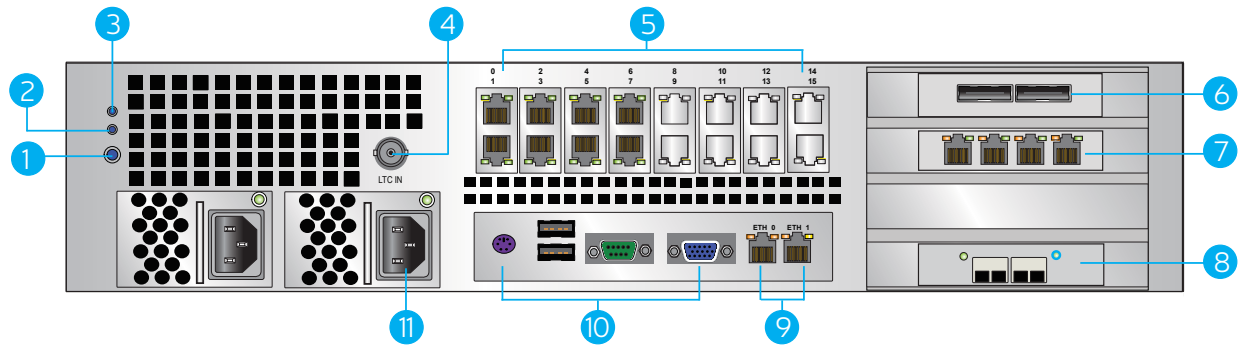
**Resiliency** — The MediaDirector 2251 supports multiple diagnostic, monitoring and notification features for system resiliency and maximum up time, and may be configured to automatically rebuild protected RAID sets in hot spare configurations.

## HIGHLIGHTS

- Integrates file system, system management, communication and all connectivity for Spectrum
- 6-Gbps SAS interfaces
- Eight high-speed media I/O ports
- Enables scalability of channels and IP bandwidth
- Supports multiple diagnostic, monitoring and notification features for Spectrum system resiliency and availability

# Spectrum™ MediaDirector 2251

SYSTEM CONTROLLER



- |                    |  |  |
|--------------------|--|--|
| 1 Power Button     | 5 MediaPort Ethernet Array   | 8 10-Gb Dual-Port or 1-Gb Quad-Port Card   |
| 2 Alt/Boot Button  | 6 Serial-Attached SCSI (SAS) Connectors                                    | 9 Ethernet Ports                           |
| 3 Reset Button     | 7 1-Gb Quad-Port Ethernet Card (For EFS Private Network, license required) | 10 For Service Use Only                    |
| 4 LTC IN Connector |  | 11 Redundant, Hot-Swappable Power Supplies |

## CONNECTIVITY

SAS	Two SAS 2.0 domains connect to arrays via miniSAS-to-miniSAS cables
Ethernet	Base: Two 1-Gb Ethernet NIC Options: Four 1-Gb Ethernet, two 10-Gb Ethernet optical SR Omneon® API, Windows® File System interface (SMB), Apple filing protocol
EFS I/O	Two 1-Gb Ethernet for EFS private network connectivity
High-Speed Media I/O Reference	Eight 1-Gb Ethernet for MediaPort connectivity Support for multiple timing standards on a single system Reference handled by MediaPorts independently

## POWER

Power Supply	Redundant
Input Voltage Range	100-240 VAC
Line Frequency	50-60 Hz
Consumption	360 W maximum

## PHYSICAL

Dimensions (W x H x D)	17.5 in x 3.5 in x 25.5 in (2 RU)/ 44.3 cm x 8.9 cm x 64.7 cm
Weight	26.5 lbs/12 kg

## INCLUDED ACCESSORIES

Power Cords	Two: 6 ft/1.83 m each
Rack-Mount Hardware Kit	19 in (standard) 27.2-35.2 in/68.7-88.8 cm

## ENVIRONMENTAL

Operating Temperature Range	+41° to 104° F/+5° 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

## SPARES KITS

Part Number	Description
SP-0090-001	Spare power supply
SP-0115-001	1 m SAS cable, MiniSAS to MiniSAS
SP-0116-001	2 m SAS cable, MiniSAS to MiniSAS
SP-0117-001	5 m SAS cable, MiniSAS to MiniSAS
SP-RKS-19-27	Rack-mount kit, 19.5-27.4 in/49.0-69.2 cm