



## New and Changed Information

The *Cisco MDS 9200 Series Hardware Installation Guide* applies to Cisco MDS SAN-OS Release 3.2 (1) or later.

[Table 1](#) lists the new and changed features available with each supported Cisco MDS SAN-OS release for the Cisco MDS 9200 Series, with the latest release first.

**Table 1** Documented Features for the Cisco MDS 9200 Series

Feature	Description	Changed in Release	Where Documented
Cisco MDS Fibre Channel Bladeswitch overview	Description of the Cisco MDS Fibre Channel Bladeswitch for IBM BladeCenter.	3.3(1a)	<a href="#">Product Overview</a> chapter.
18/4-port Multiservice (MSM-18/4) module	Added information on IPv6 support.	3.3(1a)	The “1 8/4-Port Multiservice Module” section on page 1-20.
18/4-port Multiservice (MSM-18/4) module	Added information on SAN extension support.	3.3(1a)	The “1 8/4-Port Multiservice Module” section on page 1-20.
18/4-port Multiservice (MSM-18/4) module	Added the Storage Media Encryption information.	3.2(1)	The “1 8/4-Port Multiservice Module” section on page 1-20.

**Table 1 Documented Features for the Cisco MDS 9200 Series (continued)**

<b>Feature</b>	<b>Description</b>	<b>Changed in Release</b>	<b>Where Documented</b>
Cisco MDS 9222i Multiservice Modular Switch	Added the new 18/4 Fibre Channel port and 4 Gigabit Ethernet IP services port Multiservice Modular Switch.	3.2(1)	The “ <a href="#">Product Overview</a> ” section on page 1-1, the “ <a href="#">Chassis</a> ” section on page 1-2, “ <a href="#">Cisco MDS 9222i Integrated Supervisor Module</a> ” section on page 1-6, and the “ <a href="#">Technical Specifications</a> ” section on page B-1.
18/4-port Multiservice (MSM-18/4) module	Added the new 18/4-port Multiprotocol Services module.	3.2(1)	The “ <a href="#">1 8/4-Port Multiservice Module</a> ” section on page 1-20 and the “ <a href="#">Technical Specifications</a> ” section on page B-1.
18/4-port Multiservice FIPS (MSFM-18/4) module	Added the new 18/4-port Multiprotocol Services FIPS module.	3.2(1)	The “ <a href="#">18/4-Port Multiservice Federal Information Processing Standards Module</a> ” section on page 1-21 and the “ <a href="#">Technical Specifications</a> ” section on page B-1.
48-port 4-Gbps Fibre Channel switching module	Added 48-port 4-Gbps Fibre Channel switching module. The switching module offers 48 autosensing 1-, 2-, and 4-Gbps Fibre Channel ports and can be used in any of the Cisco MDS 9500 Series chassis and in the Cisco 9216i and 9216A Switches.	3.0(1)	The “ <a href="#">48-Port 4-Gbps Fibre Channel Switching Module</a> ” section on page 1-13 and the “ <a href="#">Technical Specifications</a> ” section on page B-1.
24-port 4-Gbps Fibre Channel switching module	Added 24-port 4-Gbps Fibre Channel switching module. The switching module offers 24 autosensing 1-, 2-, and 4-Gbps Fibre Channel ports and can be used in any of the Cisco MDS 9500 Series chassis and in the Cisco 9216i and 9216A Switches.	3.0(1)	The “ <a href="#">24-port 4-Gbps Fibre Channel Switching Module</a> ” section on page 1-14 and the “ <a href="#">Technical Specifications</a> ” section on page B-1.

**Table 1 Documented Features for the Cisco MDS 9200 Series (continued)**

<b>Feature</b>	<b>Description</b>	<b>Changed in Release</b>	<b>Where Documented</b>
12-port 4-Gbps Fibre Channel switching module	Added 12-port 4-Gbps Fibre Channel switching module. The switching module can be used in any of the Cisco MDS 9500 Series chassis and in the Cisco MDS 9216i and 9216A Switches.	3.0(1)	The “12-port 4-Gbps Fibre Channel Switching Module” section on page 1-14 and the “Technical Specifications” section on page B-1.
4-port 10-Gbps Fibre Channel switching module	Added 4-port 10-Gbps Fibre Channel switching module. The switching module offers four dedicated bandwidth Fibre Channel ports running at 10 Gbps with no oversubscription.	3.0(1)	The “4-port 10-Gbps Fibre Channel Switching Module” section on page 1-15 and the “Technical Specifications” section on page B-1.
X2 transceiver	Added X2 transceiver. The X2 transceiver is a small form-factor pluggable optimized for 10-Gbps applications.	3.0(1)	The “X2 Fibre Channel Transceivers” section on page 1-36 and the “X2 Transceiver Specifications” section on page B-6.
Fibre Channel SFP transceiver	Added 4-Gbps Fibre Channel SFP transceiver.	3.0(1)	The “Fibre Channel SFP Transceivers” section on page 1-36 and the “Cisco Fibre Channel SFP Transceivers” section on page B-10.
Gigabit Ethernet SFP transceiver	Added Gigabit Ethernet SFP transceiver.	Not release specific	The “Supported Transceivers” section on page 1-35 and the “Cisco Gigabit Ethernet Transceivers” section on page B-19.
32-port Fibre Channel Storage Services Module (SSM)	Added 32-port Fibre Channel Storage Services Module (SSM).	2.0(2b)	The “32-Port Fibre Channel Storage Services Module” section on page 1-26.
14/2-port Multiprotocol Services (MPS-14/2) module	Added 14/2-port Multiprotocol Services module.	2.0(1b)	The “14/2-Port Multiprotocol Services Module” section on page 1-22.

