

# Cisco MDS 9700 Series

Multilayer Directors



## Primary benefits



Superior performance



High scalability



Consistent reliability



Superior availability



Multiprotocol flexibility



SAN programmability



Investment protection

Build an agile network infrastructure to easily manage massive amounts of data.

### Cisco MDS 9718 Multilayer Director

- 768 32G FC
- 768 10G FCoE ports
- 384 40G FCoE ports
- 128 1/10GE FCIP ports
- 32 40GE FCIP ports



#### Use Case

- Ultralarge-scale SANs
- Consolidation and room for future growth

### Cisco MDS 9710 Multilayer Director

- 384 32G FC
- 384 10G FCoE ports
- 192 40G FCoE ports
- 64 1/10GE FCIP ports
- 16 40GE FCIP ports



#### Use Case

- For medium-sized to large enterprises
- Enable edge-core deployments

### Cisco MDS 9706 Multilayer Director

- 192 32G FC
- 192 10G FCoE ports
- 96 40G FCoE ports
- 32 1/10GE FCIP ports
- 8 40GE FCIP ports



#### Use Case

- For small enterprises to enable smaller footprints
- Superior director-level features

## Primary Features

- Enable 16 to 32G transition and backward compatible with 4/8/16G Fibre Channel
- Integrated Analytics on 32G Module for deep Visibility
- Future-proof with NVMe over Fibre Channel
- Simplify provisioning and management using power on autoprovisioning and programmable interfaces
- Think zero downtime with built-in availability and redundancy on the MDS architecture

# Cisco Multilayer/Multiservice





## Fabric Switches



### Primary benefits

- Built for all flash performance
- Minutes to install and configure
- Advanced traffic management
- Sophisticated diagnostics
- Reliable end-to-end connectivity
- Highly available multiprotocol connectivity
- Comprehensive network security framework

Build an automated network infrastructure solution for your agile, reliable, and flexible data center needs.

	Primary Features	Primary Features
<p><b>Cisco MDS 9132T 32G Multilayer Fabric Switch</b></p>  <p>32 maximum ports</p>	<ul style="list-style-type: none"> <li>Modular high availability</li> <li>FC-NVMe ready</li> <li>Slow drain detection and link isolation</li> <li>Sophisticated Diagnostics</li> <li>Virtual Machine awareness</li> <li>Up to 8270 buffer-to-buffer (B2B) credits per port (up to 612-km native 32-Gbps Fibre Channel SAN extension capability)</li> <li>Anti-counterfeit technology</li> </ul>	<ul style="list-style-type: none"> <li>Native on-switch REST API</li> <li>16-member port channel</li> <li>Power-on auto provisioning (POAP) and intelligent diagnostics</li> <li>Cisco In-Service Software Upgrade (ISSU) and dual redundant hot-swappable power supplies for high availability</li> <li>High-performance ISLs with multipath load balancing</li> <li>Smart zoning and VOQ</li> </ul>
<p><b>Cisco MDS 9148S 16G Multilayer Fabric Switch</b></p>  <p>48 maximum ports</p>	<ul style="list-style-type: none"> <li>Hardware-based slow drain detection and recovery</li> <li>Power on auto provisioning and intelligent diagnostics</li> <li>In-Service Software Upgrade (ISSU) and dual redundant hot-swappable power supplies for high availability</li> </ul>	<ul style="list-style-type: none"> <li>Standalone SAN switch for enterprise departments and small to medium-sized businesses</li> <li>Top-of-rack switch in redundant fabrics</li> <li>Edge switch connectivity to enterprise core SANs</li> </ul>
<p><b>Cisco MDS 9396S 16G Multilayer Fabric Switch</b></p>  <p>96 maximum ports</p>	<ul style="list-style-type: none"> <li>Hardware-based slow drain detection and recovery</li> <li>Enterprise-class B2B credits for FC-based SAN extension</li> <li>Power on auto provisioning and intelligent diagnostics</li> </ul>	<ul style="list-style-type: none"> <li>Standalone SAN switch for small and medium-sized businesses</li> <li>Middle-of-row switch for large enterprises</li> <li>Standalone SAN in large departmental storage environments</li> </ul>
<p><b>Cisco MDS 9250i 16G Multiservice Fabric Switch</b></p>  <p>50 maximum ports</p>	<ul style="list-style-type: none"> <li>Hardware-based slow drain detection and recovery</li> <li>IP and FCoE ports for multiprotocol connectivity</li> <li>IOA for fast backup and recovery services</li> <li>40 x FC, 8 x FCoE, 2 x 1/10GE FCIP</li> </ul>	<ul style="list-style-type: none"> <li>Departmental and remote branch office SANs</li> <li>SAN extensions</li> <li>Medium-sized and large enterprises</li> <li>Internet and telecommunications service providers</li> </ul>

To help your organization answer all these challenges, contact Cisco today at [www.cisco.com/go/mds](http://www.cisco.com/go/mds).