

# Cisco MDS 9700 Series

Multilayer Directors




## Primary benefits

-  Integrated Telemetry


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-  Superior performance


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-  High scalability

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-  Consistent reliability

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-  Superior availability

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-  Multiprotocol flexibility




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-  SAN programmability

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-  Investment protection

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

Cisco MDS 9718 Multilayer Director	Cisco MDS 9710 Multilayer Director	Cisco MDS 9706 Multilayer Director
768 32G FC 768 10G FCoE ports 384 40G FCoE ports 128 1/10GE FCIP ports 32 40GE FCIP ports 	384 32G FC 384 10G FCoE ports 192 40G FCoE ports 64 1/10GE FCIP ports 16 40GE FCIP ports 	192 32G FC 192 10G FCoE ports 96 40G FCoE ports 32 1/10GE FCIP ports 8 40GE FCIP ports 
<b>Use Case</b> <ul style="list-style-type: none"> <li>Ultralarge-scale SANs</li> <li>Consolidation and room for future growth</li> </ul>	<b>Use Case</b> <ul style="list-style-type: none"> <li>For medium-sized to large enterprises</li> <li>Enable edge-core deployments</li> </ul>	<b>Use Case</b> <ul style="list-style-type: none"> <li>For small enterprises to enable smaller footprints</li> <li>Entry Level Director class</li> </ul>

### 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.

<p>Cisco MDS 9132T 32G 32-Port Multilayer Fabric Switch</p> 	<p>Cisco MDS 9148T 32G 48-Port Multilayer Fabric Switch</p> 	<p>Cisco MDS 9396T 32G 96-Port Multilayer Fabric Switch</p> 
<p><b>Use Cases</b></p> <ul style="list-style-type: none"> <li>Smallest form factor 32-Gbps 16-Port for entry level</li> <li>Cost effective semi-modular design</li> </ul>	<p><b>Use Cases</b></p> <ul style="list-style-type: none"> <li>Top-of-rack switch for medium to large enterprises</li> <li>Higher scale and performance for Dense server racks</li> </ul>	<p><b>Use Cases</b></p> <ul style="list-style-type: none"> <li>Top-of-rack or end-of-row deployment</li> <li>Director class density, scale for large enterprise POD deployments</li> </ul>
<p>Primary Features : Zero touch Auto-zoning, up to 8270 B2B credits / port, Integrated SAN telemetry and dedicated streaming port, Enterprise class features across the fixed portfolio, Bi-directional airflow and End-to-End Enhanced SAN diagnostic suite for deploying 4-/8-/16-/32-Gbps Fibre Channel SANs</p>		
<p>Cisco MDS 9148S 48-Port 16G Multilayer Fabric Switch</p> 	<p>Cisco MDS 9396S 16G 96-Port Multilayer Fabric Switch</p> 	<p>Cisco MDS 9250I 50-Port 16G Multiservice Fabric Switch</p> 
<p><b>Use Cases</b></p> <ul style="list-style-type: none"> <li>2-/4-/8-/16-Gbps host connectivity</li> <li>Ideal for deployment for legacy environments</li> </ul>	<p><b>Use Cases</b></p> <ul style="list-style-type: none"> <li>Large enterprises driving both legacy 2-Gbps and 16-Gbps FC connectivity</li> <li>Lower speed end-of-row host connectivity to 32G MDS directors</li> </ul>	<p><b>Use Cases</b></p> <ul style="list-style-type: none"> <li>Fixed FCIP SAN extension solution</li> <li>IO Acceleration for Arrays and Tapes</li> <li>FC compression for low bandwidth links</li> </ul>
<p><b>Primary Features</b></p> <p>Interoperates with MDS 32G products, FC-NVMe ready, Online Health Management System, On-board management UI, Power on Auto Provisioning</p>		<p><b>Primary Features</b></p> <p>FCIP SAN extension, storage Data-migration, multi-protocol FCoE , iSCSI connectivity, interoperates with earlier generation of FCIP switches</p>

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