

CISCO · MDS 9100 SERIES SWITCHES

# DS-C9148T-48PETK9

48x32G FC Ports · 48x32G SW Optics · Exhaust SAN Switch

New, factory-sealed · 3-year LSCare warranty · Ships from Hong Kong and US stock



|               |                                                                                     |
|---------------|-------------------------------------------------------------------------------------|
| Product Model | DS-C9148T-48PETK9                                                                   |
| Category      | MDS 9100 Series Switches                                                            |
| Condition     | New, factory-sealed                                                                 |
| Warranty      | 3-year LSCare warranty                                                              |
| Supplier      | Layer23-Switch · <a href="http://www.layer23-switch.com">www.layer23-switch.com</a> |



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Warranty



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DS-C9148T-48PETK9 is a Cisco MDS 9148T 32G Fibre Channel SAN switch bundle for data-center storage fabrics that need fixed 32G FC access with the ports and optics included at order time.

New, factory-sealed · 3-year LSCare warranty · 14-day returns · Cisco SN check before shipment

## Specifications

|                              |                                                                                                                                                                           |                              |                                                                                                                                                                                                                |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product ID                   | DS-C9148T-48PETK9                                                                                                                                                         | Product compatibility        | Cisco MDS 9000 Family                                                                                                                                                                                          |
| Product type                 | 32G Fibre Channel SAN switch                                                                                                                                              | Order configuration          | 48 active FC ports, 48 x 32G SW optics, 4 fans, 2 power supplies, port-side exhaust airflow                                                                                                                    |
| Form factor                  | 1RU fixed-switch form factor                                                                                                                                              | Fibre Channel ports          | 48 SFP+ ports base                                                                                                                                                                                             |
| Active ports at order        | 48 active FC ports                                                                                                                                                        | Included FC optics           | 48 x Cisco 32G shortwave Fibre Channel optics                                                                                                                                                                  |
| Fibre Channel speed support  | 4, 8, 16, and 32 Gbps autosensing                                                                                                                                         | Dedicated bandwidth per port | 32 Gbps                                                                                                                                                                                                        |
| Aggregate bandwidth          | 1.5 Tbps end-to-end full duplex                                                                                                                                           | Port groups                  | 3 port groups of 16 ports each                                                                                                                                                                                 |
| Buffer credits               | Up to 8300 for a group of 16 ports, 500 default per port, 8270 maximum for a single port in the group                                                                     | Port channel support         | Up to 16 load-balanced physical links in one port channel                                                                                                                                                      |
| Fibre Channel port types     | E, F, B, SD, ST, NP, and TE                                                                                                                                               | FC-NVMe support              | FC-NVMe listed in protocol support                                                                                                                                                                             |
| Fabric services              | Name server, RSCN, login services, FCS, broadcast, and in-order delivery                                                                                                  | Advanced functions           | VSAN, NPV, IVR, port channel with multipath load balancing, and flow- and zone-based QoS                                                                                                                       |
| Security functions           | VSAN isolation, hardware zoning ACLs, FC-SP, RBAC, SFTP, SSHv2, SNMPv3, control-plane security, TrustSec payload encryption, secure boot, and anti-counterfeit technology | Diagnostics                  | POST, OHMS, internal loopbacks, SPAN, Fibre Channel traceroute, Fibre Channel ping, Fibre Channel debug, Cisco Fabric Analyzer, syslog, port-level statistics, link diagnostics, and read diagnostic parameter |
| High availability components | Hot-swappable dual redundant power supplies, hot-swappable fan module, and hot-swappable SFP+ optics                                                                      | Management Ethernet ports    | mgmt0 10/100/1000BASE-T and mgmt1 1/10G SFP+ port                                                                                                                                                              |
| Console and USB ports        | RS-232 serial console port and USB power-on auto-provision port                                                                                                           | Programmability              | NX-API RESTful interfaces, onboard Python interpreter, Cisco DCNM web services API, EEM, and NX-OS scheduler                                                                                                   |
| Minimum NX-OS release        | Cisco MDS NX-OS 8.3(1) or later                                                                                                                                           | Minimum Cisco DCNM release   | Cisco DCNM 11(0) or later                                                                                                                                                                                      |
| Default power supply         | DS-CAC-650W-E 650W AC port-side exhaust power supply; two supplies in the order configuration                                                                             | AC input voltage             | 100 to 240 VAC, 10 percent range                                                                                                                                                                               |
| AC input frequency           | 50 to 60 Hz nominal                                                                                                                                                       | Typical power without optics | 217W for idle 48-port switch without optics modules                                                                                                                                                            |

|                              |                                                                                        |                        |                                                            |
|------------------------------|----------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|
| Typical power with 48 optics | 297W for 48-port switch with 48 32G SW optics under typical conditions                 | Airflow direction      | Back to front toward ports using port-side exhaust fans    |
| System airflow rate          | 50 CFM through system fan assembly at 77F (25C)                                        | Maximum airflow rate   | 100 CFM maximum                                            |
| Dimensions                   | 1.72 x 17.3 x 22.3 in. (4.37 x 43.94 x 56.64 cm), excluding PSU and fan module handles | Operating temperature  | 32 to 104F (0 to 40C)                                      |
| Operating relative humidity  | 10 to 90 percent noncondensing                                                         | Operating altitude     | -197 to 6500 ft (-60 to 2000 m)                            |
| Supported FC optics          | 32G SW, 32G LW, 16G SW, 16G LW, 8G SW, and 8G LW optics listed                         | Included accessory kit | Cisco-specific MDS 9148T accessory kit shipped as standard |

**Get Price and Availability for DS-C9148T-48PETK9**

New, factory-sealed units with a 3-year warranty. Our sales team quotes within one business day, and in-stock orders ship within one business day of payment from our Hong Kong and US warehouses.

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Address 2810 North Church Street, Suite 89727, Wilmington, DE 19802, USA

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