

CISCO · MDS 9100 SERIES SWITCHES

DS-C9148T-24PETK9

24x32G FC Ports · 24x32G SW Optics · Exhaust SAN Switch

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



Product Model	DS-C9148T-24PETK9
Category	MDS 9100 Series Switches
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



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The DS-C9148T-24PETK9 is a Cisco MDS 9148T 32G Fibre Channel switch bundle for server-rack SAN fabrics cooled with port-side exhaust airflow. The 1RU switch carries 48 SFP+ ports at 4, 8, 16 or 32 Gbps, of which 24 are active and matched by 24 bundled 32G shortwave optics, with 1.5 Tbps of aggregate bandwidth.

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

Specifications

Product ID	DS-C9148T-24PETK9	Bundle scope	MDS 9148T switch, 24 active ports, 24 x 32G SW optics, 4 fans, 2 PSUs, port-side exhaust
Rack units	1RU fixed switch	Fibre Channel ports	48 SFP+ ports base
Active ports at order	24	Maximum active ports	48 with M9148T-PL8 licenses (32, 40, 48)
Port speed	4, 8, 16 and 32 Gbps autosensing	Dedicated bandwidth per port	32 Gbps
Switching capacity	1.5 Tbps end-to-end full duplex	Port groups	3 port groups of 16 ports
Buffer credits	Up to 8,300 per 16-port group; 500 default per port; up to 8,270 for a single port	Port channel	Up to 16 load-balanced physical links per port channel
Fibre Channel port types	E, F and B standard; SD, ST, NP and TE enhanced	Classes of service	Class 2, Class 3 and Class F
Protocols	FC-NVMe; IP over Fibre Channel (RFC 2625); IPv6, IPv4 and ARP over Fibre Channel (RFC 4338)	Fabric services	Name server, RSCN, login services, Fabric Configuration Server, broadcast, in-order delivery
Advanced functions	VSAN, NPV, IVR, port channel with multipath load balancing, flow- and zone-based QoS	Intelligent services	Auto-zone, Smart Zoning, slow-drain detection and isolation
Security	VSAN isolation, hardware zoning by ACLs, FC-SP switch and host authentication, RBAC with RADIUS, TACACS+ or LDAP, SFTP, SSHv2, SNMPv3 with AES, control-plane security, Cisco TrustSec payload encryption, secure boot, anti-counterfeit technology	Diagnostics	POST, OHMS, internal loopbacks, SPAN, FC traceroute, FC ping, FC debug, Cisco Fabric Analyzer, syslog, port-level statistics, E-port and F-port link diagnostics, Read Diagnostic Parameter
High availability	ISSU, hot-swappable dual redundant power supplies, hot-swappable fan module, hot-swappable SFP+ optics, stateful process restart, VRRP for the management IP, FEC and BB state change notification with HBA ports	Programming interfaces	Scriptable CLI, Cisco DCNM web services API, NX-API RESTful interfaces, onboard Python interpreter, EEM, NX-OS scheduler
Management port	mgmt0 10/100/1000BASE-T; mgmt1 1/10G SFP+ listed for a future software release	Console port	RS-232 serial console port

USB port	USB power-on auto-provision port	Default power supply model	DS-CAC-650W-E 650W AC, port-side exhaust (spare PID DS-CAC-650W-E=)
Included optic	DS-SFP-FC32G-SW, 850 nm multimode, dual LC, 8/16/32G	32G SW reach	20 m OM2, 70 m OM3, 100 m OM4/OM5 at 32G; 2 m minimum
16G reach on 32G SW optic	35 m OM2, 100 m OM3, 125 m OM4/OM5	Optic operating temperature	0 to 70°C
Supported FC optics	DS-SFP-FC32G-SW, DS-SFP-FC32G-LW=, DS-SFP-FC16G-SW, DS-SFP-FC16G-LW=, DS-SFP-FC8G-SW=, DS-SFP-FC8G-LW=	Minimum software	Cisco MDS NX-OS 8.3(1) or later; Cisco DCNM 11(0) or later
Power supply options	2 x 650W AC per switch, 80 Plus Platinum, hot-swappable	AC input	100 to 240 VAC (10% range), 50 to 60 Hz nominal
Power cord connection	C14 plug on the supply into a notched C15 cord connector	Output holdup time	20 ms
Typical power consumption	217W idle without optics; 251W with 24 32G SW optics; 297W with 48 32G SW optics	Maximum power with 24 SW optics	267W at 110V, 260W at 220V (100% traffic, 25°C)
Power required	290W maximum	Heat dissipation	989 BTU/hr
Input current	3.41 A at 85 VAC, 2.63 A at 110 VAC, 1.31 A at 220 VAC	Fan modules	4 fans, hot-swappable fan module, port-side exhaust
Airflow	Back to front (toward ports), port-side exhaust; 50 CFM at 25°C, 100 CFM maximum	Clearance	2.5 in. (6.4 cm) from walls to air vents; 6 in. (15.2 cm) between chassis
Operating temperature	0 to 40°C	Storage temperature	-40 to 70°C
Operating humidity	10 to 90% noncondensing	Nonoperating humidity	10 to 95% noncondensing
Operating altitude	-60 to 2000 m	Dimensions (H x W x D)	1.72 x 17.3 x 22.3 in., excluding PSU and fan module handles
Weight	8.5 kg	Accessory kit	DS-9148T-KIT-CSCO shipped as standard
Safety certifications	CE Marking, UL 60950, CAN/CSA-C22.2 No. 60950, EN 60950, IEC 60950, TS 001, AS/NZS 3260, IEC60825, EN60825, 21 CFR 1040	EMC certifications	FCC Part 15 Class A, ICES-003 Class A, EN 55022 Class A, CISPR 22 Class A, AS/NZS 3548 Class A, VCCI Class A, EN 55024, EN 50082-1, EN 61000-6-1, EN 61000-3-2, EN 61000-3-3

Get Price and Availability for DS-C9148T-24PETK9

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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