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PRODUCT DATASHEET
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CISCO · MDS 9100 SERIES SWITCHES

DS-C9148V-48PETK9

48x64G 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-C9148V-48PETK9
Category	MDS 9100 Series Switches
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com

Scan for price and stock

200+	18,000+	US$9M+	3-Year
Countries Served	Customers Worldwide	Ready-Stock Inventory	Warranty

CISCO · MDS 9100 SERIES SWITCHES

DS-C9148V-48PETK9

48x64G FC Ports · 48x32G SW Optics · Exhaust SAN Switch

DS-C9148V-48PETK9 is a Cisco MDS 9148V 64G Fibre Channel SAN switch bundle for full-port storage fabric access and rack-level SAN expansion.

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

Specifications

Product ID	DS-C9148V-48PETK9	**Order configuration**	48 active ports, 48 x 32G SW optics, 4 fans, 2 power supplies, and port-side exhaust airflow
Product compatibility	Cisco MDS 9000 Family	**Product type**	64G Fibre Channel fixed SAN switch bundle
Included FC optics	48 x Cisco 32G Fibre Channel shortwave optics	**Airflow direction**	Back to front toward ports using port-side exhaust fans
Fan modules	4 fans in the ordering description	**Power supplies**	2 power supplies in the ordering description
Form factor	1RU fixed-switch form factor	**Dimensions**	1.72 x 17.299 x 18 in. (4.37 x 43.94 x 45.72 cm) excluding PSU and fan-tray handles
Weight	21.8 lb (9.9 kg)	**Fibre Channel ports**	48 SFP+ Fibre Channel ports
Active ports at order	48 active Fibre Channel ports	**Fibre Channel speed support**	8, 16, 32, and 64 Gbps autosensing
Dedicated bandwidth per port	64 Gbps	**Aggregate bandwidth**	3 Tbps end-to-end full duplex
Port group architecture	2 port groups of 24 ports each	**Buffer credits**	Up to 24000 buffer credits for a group of 24 ports, default 1000 buffer credits per port, and maximum 16000 buffer credits for a single port in the group
Port channel support	Up to 24 load-balanced physical links in one port channel	**Fibre Channel port types**	E and F standard port types; SD, ST, NP, and TE enhanced port types
Minimum NX-OS release	Cisco MDS 9000 NX-OS Release 9.3(1) or later	**Optional subscription licenses**	Cisco MDS Premier Subscription License and Cisco MDS Advantage Subscription License
Licensing model	Cisco Smart Licensing Using Policy through Cisco Smart Account	**Advanced functions**	VSAN, IVR, NPV, Port Channel with multipath load balancing, and flow- and zone-based QoS
Fabric services	Name server, Registered State Change Notification, login services, Fabric Configuration Server, broadcast, and in-order delivery	**Supported protocols**	Fibre Channel, NVMe/FC, IPv6, IPv4, ARP over Fibre Channel, TCP/IP, SNMPv3, and RMON MIBs
Management Ethernet ports	mgmt0 10/100/1000BASE-T out-of-band management port	**Console port**	RS-232 serial console port

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USB port	USB power-on auto-provision port	**Network management**	CLI, SNMPv3, SNIA SMI-S, NX-API, Cisco DCNM/NDFC web services API, onboard Python interpreter, Embedded Event Manager, and Cisco NX-OS scheduler
Default power supply	DS-CAC-500W-E 500W AC port-side exhaust power supply; two supplies in the order configuration	**AC input voltage**	100 to 240 VAC with 10 percent range for 500W AC power supplies
AC input frequency	50 to 60 Hz nominal	**Typical power with 48 x 32G SW optics**	247W at 110V/60Hz and 240W at 220V/50Hz with 50 percent traffic, 2 PSUs, and 4 fan trays at 25C
Maximum power with 48 x 32G SW optics	248W at 110V/60Hz and 241W at 220V/50Hz with 100 percent traffic, 2 PSUs, and 4 fan trays at 25C	**Maximum system power**	314W
Heat dissipation	986 BTU/hr	**System airflow rate**	50 CFM through system fan assembly at 25C
Maximum airflow rate	100 CFM maximum	**Operating temperature**	32 to 104F (0 to 40C)
Nonoperating temperature	-40 to 158F (-40 to 70C)	**Operating relative humidity**	10 to 90 percent noncondensing
Nonoperating relative humidity	10 to 95 percent noncondensing	**Operating altitude**	-197 to 6500 ft (-60 to 2000 m)
32G SW transceiver product ID	DS-SFP-FC32G-SW	**32G SW connector**	Dual LC connector
32G SW wavelength	850 nm	**32G SW fiber type**	Multimode fiber
32G SW baud rate at 32G	28.05 GBd	**32G SW cable distance**	65 ft (20 m) on OM2, 230 ft (70 m) on OM3, and 328 ft (100 m) on OM4 or OM5
32G SW operating temperature	0C to 70C	**Supported FC optics**	32G SW, 32G LW, 16G SW, 16G LW, 16G ELW, 8G SW, 8G LW, 8G ER, and 8G CWDM SFP+ optics

Get Price and Availability for DS-C9148V-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.

Request a Quote

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