

CISCO · MDS 9100 SERIES SWITCHES

DS-C9148V-48PIVK9

48x64G FC Ports · 48x64G SW Optics · Intake SAN Switch

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



Product Model	DS-C9148V-48PIVK9
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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Warranty



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DS-C9148V-48PIVK9 is a Cisco MDS 9148V 64G Fibre Channel SAN switch bundle for high-speed storage-network access in data center SANs, delivered as a 1RU 48-port fixed switch order with 48 active Fibre Channel ports, 48 Cisco 64G SW optics, four fans, two power supplies, and port-side intake airflow.

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

Specifications

Product ID	DS-C9148V-48PIVK9	Order configuration	48 active ports, 48 x 64G SW optics, 4 fans, 2 power supplies, and port-side intake airflow
Product compatibility	Cisco MDS 9000 Family	Product type	64G Fibre Channel fixed SAN switch bundle
Included FC optics	48 x Cisco 64G Fibre Channel shortwave optics	Airflow direction	Front to back into ports using port-side intake 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 17.3 x 18 in. (4.37 x 43.94 x 45.72 cm) excluding PSU and fan module handles
Weight	21.8 lb (9.9 kg) unpopulated	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 support
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

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-I 500W AC port-side intake 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 64G SW optics	295W at 110V/60Hz and 286W at 220V/50Hz with 50 percent traffic, 2 PSUs, and 4 fan trays at 25C
Maximum power with 48 x 64G SW optics at 25C	301W at 110V/60Hz and 292W at 220V/50Hz with 100 percent traffic, 2 PSUs, and 4 fan trays	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)
64G SW transceiver product ID	DS-SFP-FC64G-SW	64G SW connector	Dual LC connector
64G SW wavelength	850 nm	64G SW fiber type	Multimode fiber
64G SW speed support	16, 32, and 64 Gbps Fibre Channel autosensing	64G SW cable distance at 64G	20 m on OM2, 70 m on OM3, and 100 m on OM4 or OM5
64G SW operating temperature	0C to 70C	Supported FC optics	64G SW, 64G LW, 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-48PIVK9

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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