

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

DS-C9396T-48IK9

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	DS-C9396T-48IK9
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
Supplier	Layer23-Switch.com

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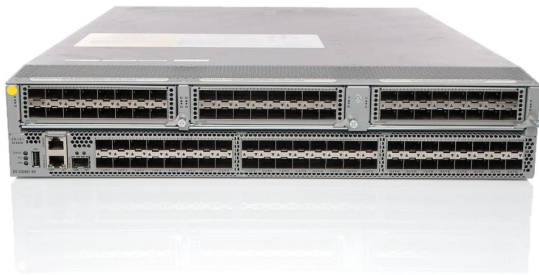
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DS-C9396T-48IK9 Datasheet

The Cisco DS-C9396T-48IK9 datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the DS-C9396T-48IK9 and integrate it into enterprise or service provider networks with confidence.

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Key Features

Two-tier collapse for dense racks

Consolidates edge and aggregation into a 2RU platform with 48 active ports on day one and 96 max, reducing switch count, optics, cabling, and operational overhead.

Distance-aware replication headroom

Extended buffer-to-buffer credit options help sustain throughput over higher-latency metro links for synchronous/asynchronous copy, DR testing, and cross-site backup.

Fabric hygiene and observability at scale

Hardware-assisted SAN Analytics, flow-level telemetry, and slow-drain detection expose incipient congestion and misbehaving endpoints before they impact SLAs.

Fault-domain containment

Six 16-port groups and port-channels distributed across groups minimize blast radius, while hot-swap PSUs/fans and consistent forwarding support continuous operations.

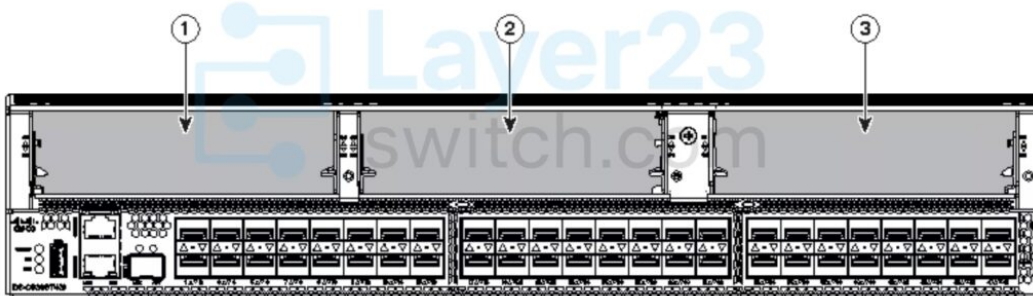
Tenant and workload isolation

VSANs, IVR (license), and centralized AAA/RBAC deliver clean segregation for departments, tenants, or environments with differing compliance profiles.

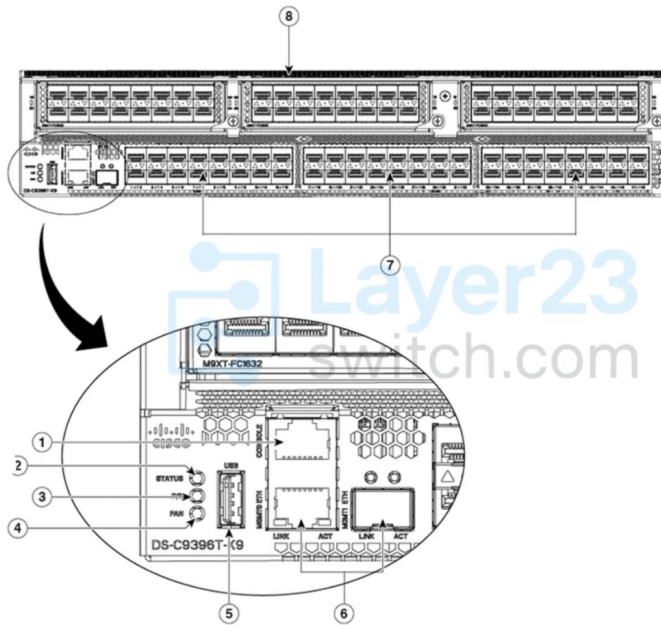
Intake airflow alignment

Port-side intake design fits front-cold aisle policies common in enterprise and public-sector data centers, simplifying compliance and thermal planning.

Front View

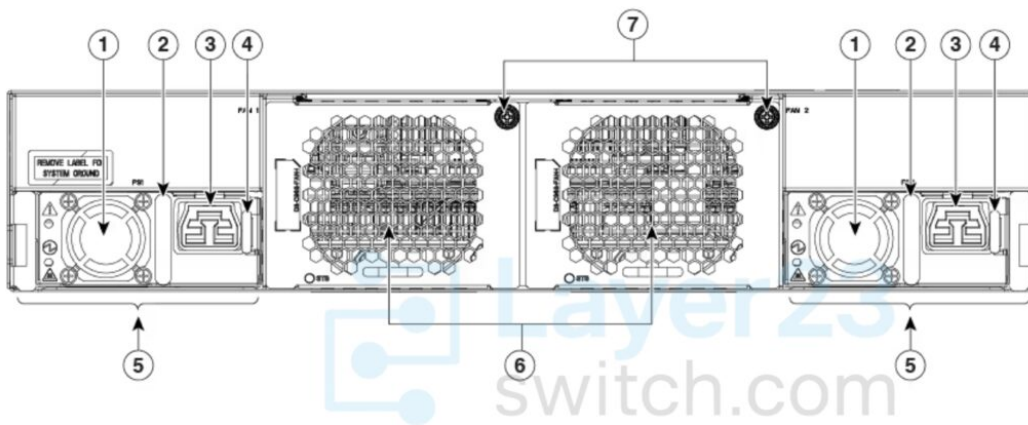


1	LEM slot 1	3	LEM slot 3
2	LEM slot 2		

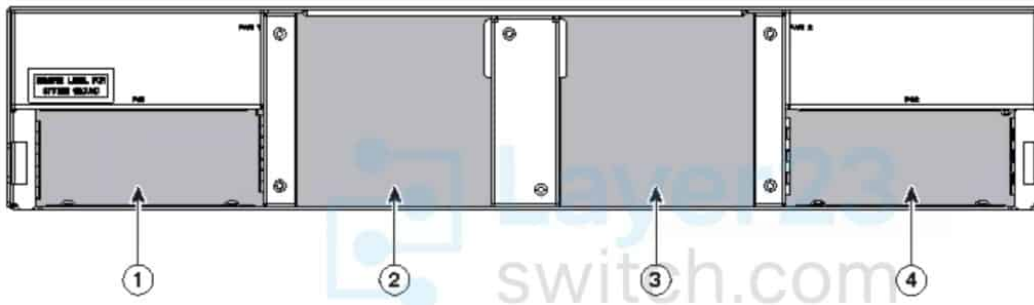


1	Serial console port	5	USB port
2	System status LED	6	Ethernet management ports (2)
3	Power supply status LED	7	Base Fibre Channel ports
4	Fan status LED	8	Airflow Grill

Rear View



1	Power supply unit fan	5	Power supply units (2)
2	Power supply unit handle	6	Chassis fan modules (2)
3	Power receptacle	7	Fan module locking screw
4	Power supply unit locking latch		



1	Power supply unit slot 1	3	Chassis fan module slot 2
2	Chassis fan module slot 1	4	Power supply unit slot 2

Specification

Parameter	Specification	Parameter	Specification
Product model	DS-C9396T-48IK9 (MDS 9396T family)	Form factor	2RU fixed FC switch
Physical ports	96 x SFP+/SFP28 Fibre Channel	Base licensed ports	48 active; expand in +16-port steps to 96
Port speeds	Auto-sensing 4/8/16/32-Gbps FC	Aggregate bandwidth	Up to 3 Tbps per switch
Port groups	Six groups x 16 ports	Line-rate forwarding	Non-blocking, low-latency at 32G
NVMe/FC	NVMe-ready; coexistence with SCSI/FCP	Long-distance credits	Extended B2B credits on designated ports
Telemetry	Hardware-assisted SAN Analytics; model-driven telemetry	Diagnostics	Slow-drain detection; ISL/HBA diagnostics; SPAN/RSPAN

Parameter	Specification	Parameter	Specification
Fabric services	VSANs; IVR (license); Smart/Auto Zoning; QoS	High availability	Redundant hot-swappable PSUs and fans; port-channels across groups
Airflow	Port-side intake (red), DS-C96S-FAN-I	PSUs	2 x 1200W DS-CAC-1200W, bidirectional airflow
Power (typical ref.)	Approx. 497W @ 48x32G optics; 555W @ 96x32G	AC/DC input	90-305 VAC; 192-400 VDC (per PSU spec)
Dimensions (HxWxD)	3.39 x 17.42 x 22.28 in (8.61 x 44.25 x 56.59 cm)	Weight	Approx. 41.62 lb (18.88 kg)
Management	NX-OS CLI/SSH, SNMP, REST/NX-API; NDFC/DCNM	Interoperability	MDS 9000 family per Cisco compatibility matrix
Security	AAA/RBAC (TACACS+/RADIUS/LDAP/AD), FC-SP	Compliance	Safety/EMC/RoHS per datasheet
Transceivers	Cisco 32G/16G/8G FC optics supported	Accessories	Rail kit; regional power cords; optics ordered separately

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