

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

DS-C9396T-48ETK9

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	DS-C9396T-48ETK9
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
Supplier	Layer23-Switch.com

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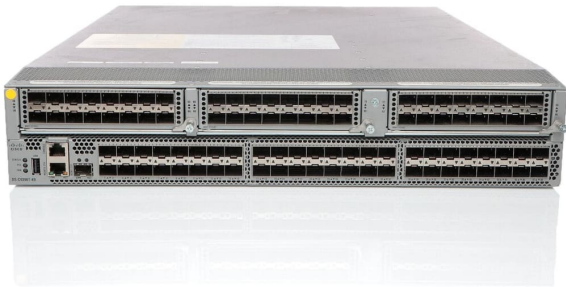
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DS-C9396T-48ETK9 Datasheet

The Cisco DS-C9396T-48ETK9 datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the DS-C9396T-48ETK9 and integrate it into enterprise or service provider networks with confidence.



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Key Features

High-fan-in aggregation with room to double capacity

Start at 48 active ports and grow to 96 in 16-port steps, consolidating many edge racks while controlling CapEx and optics/cabling sprawl.

Distance-aware replication performance

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

Deep fabric observability for faster MTTR

Hardware-assisted SAN Analytics, per-flow telemetry, and slow-drain detection surface incipient congestion and misbehaving endpoints early.

Fault-domain containment and resilient design

Six 16-port groups, hot-swappable PSUs/fans, and port-channels spread across groups minimize blast radius and support 24x7 operations.

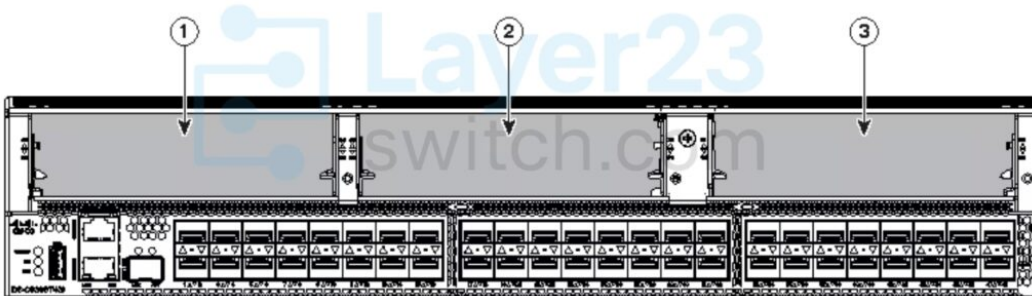
Multi-tenant security and segmentation

VSANs, IVR (license), QoS, and centralized AAA/RBAC enable clean isolation for departments/tenants and compliance-friendly change control.

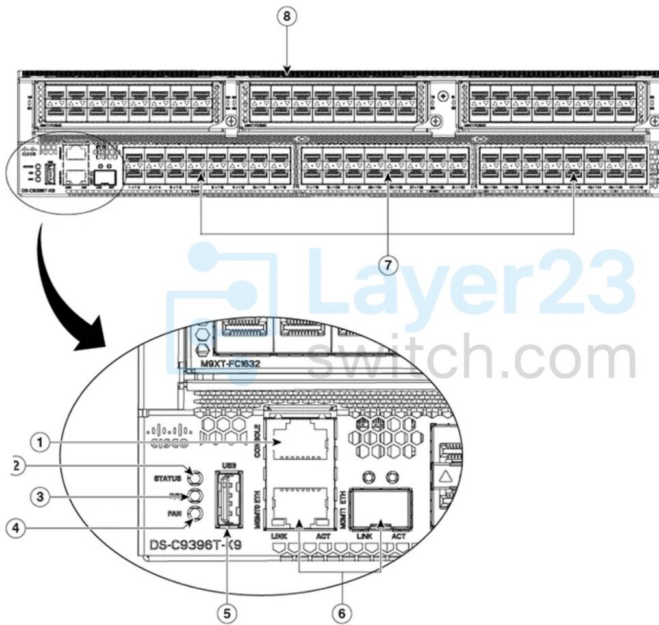
Data-center airflow alignment and operational consistency

Port-side exhaust variant fits front-to-back cooling policies; standard NX-OS/NDFC workflows keep deployments repeatable across sites.

Front View

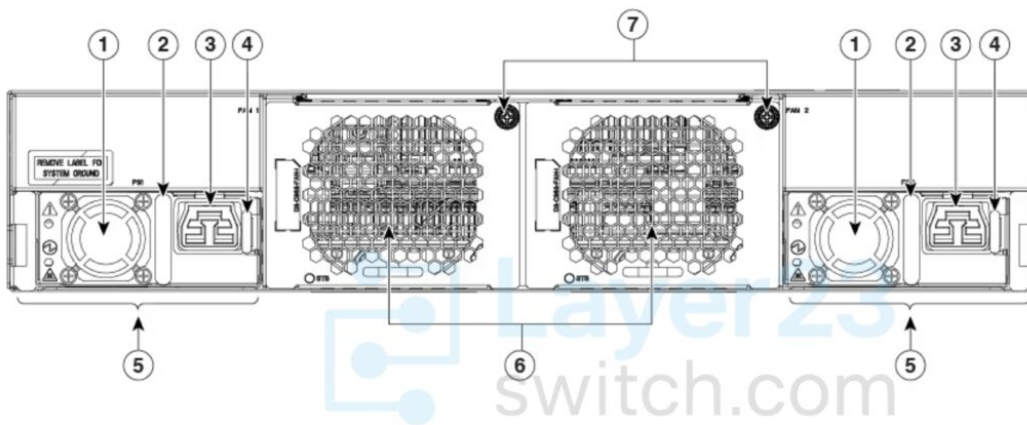


1	LEM slot 1	3	LEM slot 3
2	LEM slot 2		

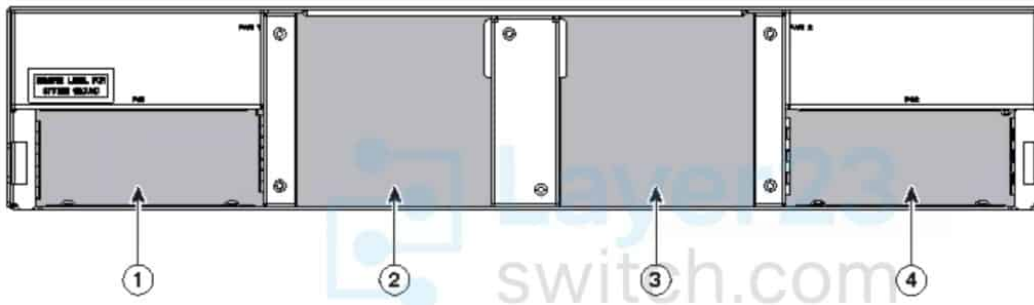


1	Serial console port	5	USB port
2	System status LED	6	Ethernet management ports (2)
3	Power supply status LED	7	Base Fibre Channel ports
4	Fan status LED	8	Airflow Grill

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-48ETK9 (MDS 9396T family)	Form factor	2RU fixed Fibre Channel 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	Forwarding	Non-blocking, line-rate at 32G (licensed)
NVMe/FC	NVMe-ready; coexistence with SCSI/FCP	Long-distance credits	Extended buffer-to-buffer credits on designated ports

Parameter	Specification	Parameter	Specification
Telemetry/analytics	Hardware-assisted SAN Analytics; model-driven telemetry	Diagnostics	Slow-drain detection; ISL/HBA diagnostics; SPAN/RSPAN
Fabric services	VSANs; IVR (license); Smart/Auto Zoning; QoS	High availability	Redundant hot-swappable PSUs and fans; port-channels across groups
Airflow	Port-side exhaust (blue); DS-C96S-FAN-E	Power supplies	2 × DS-CAC-1200W (bidirectional airflow)
Power/thermal	Per datasheet/project file	AC/DC input	Per PSU spec (VAC and VDC supported)
Dimensions (H×W×D)	Per datasheet	Weight	Per datasheet
Management	NX-OS CLI/SSH, SNMP, REST/NX-API; NDFC/DCNM	Security	AAA/RBAC (TACACS+/RADIUS/LDAP/AD), FC-SP
Interoperability	MDS 9000 family per Cisco matrix	Accessories	Rail kit; regional power cords; optics ordered separately

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