

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

DS-C9396T-96ITK9

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	DS-C9396T-96ITK9
Document Type	Product Datasheet
Condition	Brand New, Original and Verifieded
Supplier	Layer23-Switch.com

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DS-C9396T-96ITK9 Datasheet

The Cisco DS-C9396T-96ITK9 datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the DS-C9396T-96ITK9 and integrate it into enterprise or service provider networks with confidence.



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Key Features

Full-density intake standardization

All 96 ports active on day one with port-side intake airflow, simplifying fleet standardization for front-cold-aisle data centers and eliminating staged licensing.

Cluster-scale consolidation

Six 16-port groups and non-blocking 32G forwarding let you collapse many access racks into a stable 2RU core with predictable latency and high fan-in.

Distance-optimized copy and mobility

Extended buffer-to-buffer credits on designated ports help sustain throughput over metro/long-haul links for synchronous/asynchronous replication, workload mobility, and DR testing.

Telemetry-driven SLO assurance

Hardware SAN Analytics, slow-drain detection, and model-driven telemetry surface congested paths and misbehaving endpoints early to maintain SLAs during busy cycles.

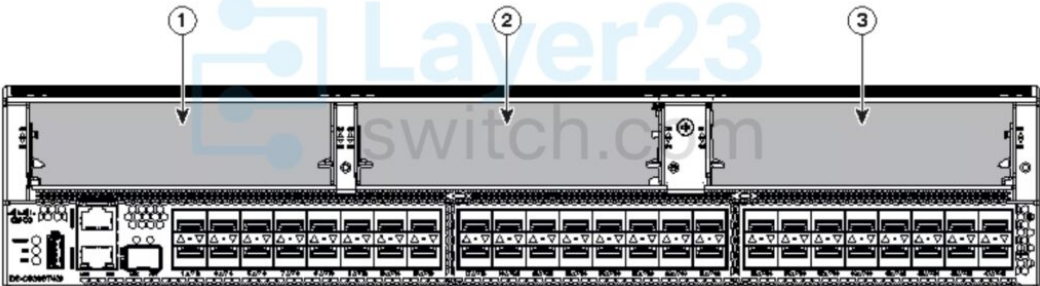
API-led operations at scale

Zero-touch provisioning (POAP), templating in Cisco NDFC/DCNM, and REST/NX-API/Ansible workflows enable repeatable rollouts and change control across sites.

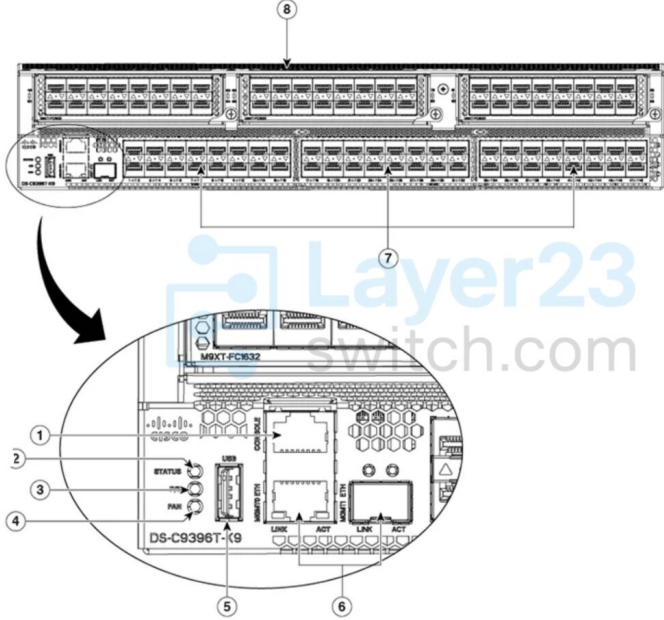
Segmentation and governance

VSANs, IVR (license), QoS, and centralized AAA/RBAC provide clean isolation for tenants or environments, aligning with zero-trust and compliance audits.

Front View

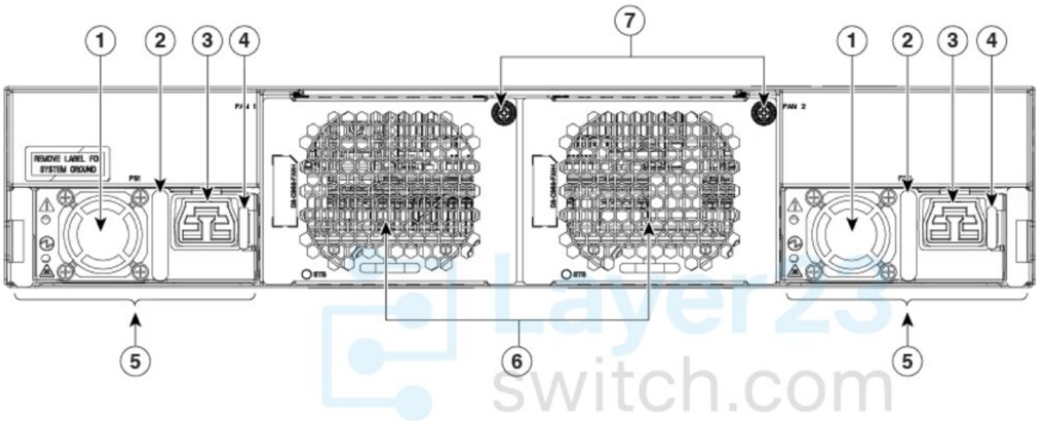


1	LEM slot 1	3	LEM slot 3
2	LEM slot 2		

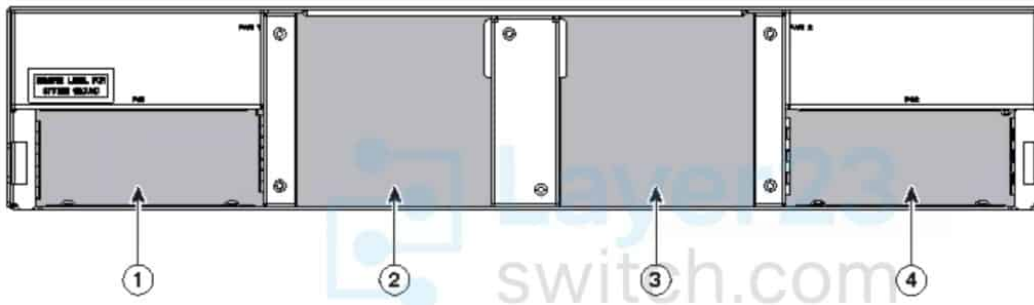


1	Serial console port	5	USB port
2	System status LED	6	Ethernet management ports (2)
3	Power supply status LED	7	Base Fibre Channel ports
4	Fan status LED	8	Airflow Grill

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-96ITK9 (MDS 9396T family)	Form factor	2RU fixed Fibre Channel switch
Physical ports	96 x SFP+/SFP28 Fibre Channel	Licensed ports	96 active (bundle; max licensed)
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 (smaller fault domains)	Forwarding	Non-blocking, line-rate at 32G
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; ISL port-channels across groups
Airflow	Port-side intake (red); DS-C96S-FAN-I	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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