

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

DS-C9396T-48EK9

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	DS-C9396T-48EK9
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
Supplier	Layer23-Switch.com

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DS-C9396T-48EK9 Datasheet

The Cisco DS-C9396T-48EK9 datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the DS-C9396T-48EK9 and integrate it into enterprise or service provider networks with confidence.

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Key Features

High-density 32G FC aggregation in 2RU

48 active ports on day one, expandable to 96 in 16-port steps, consolidating edge and aggregation layers to reduce switch count, cabling complexity, and rack space.

Long-distance and inter-site ready

Designed for metro/long-haul replication use cases; extended buffer-to-buffer credit capabilities help maintain throughput over high-latency links for synchronous/asynchronous copy, DR, and backup.

Service assurance with deep observability

Hardware-assisted SAN Analytics, per-flow telemetry, and slow-drain detection provide early warning on congestion and misbehaving endpoints, improving SLO/SLA adherence.

Resilient fabric building block

Six 16-port groups, port-channels across groups, and hot-swappable PSU/fans limit fault domains and support 24x7 operations in core-edge and end-of-row topologies.

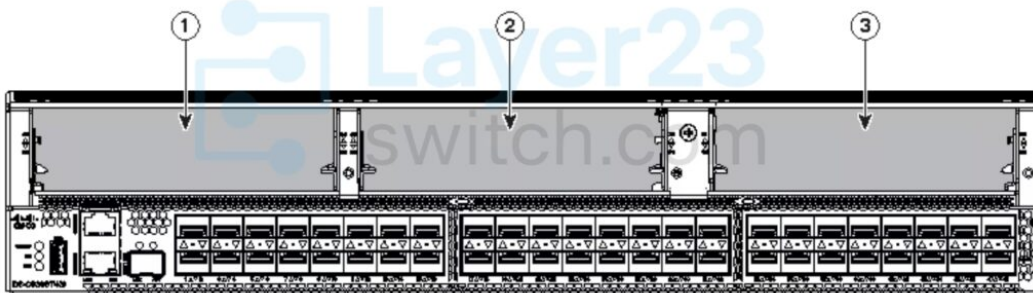
Multi-tenant segmentation and zero-trust posture

VSANs, IVR (license), and centralized AAA/RBAC enable workload/tenant isolation with policy consistency for regulated environments and shared infrastructures.

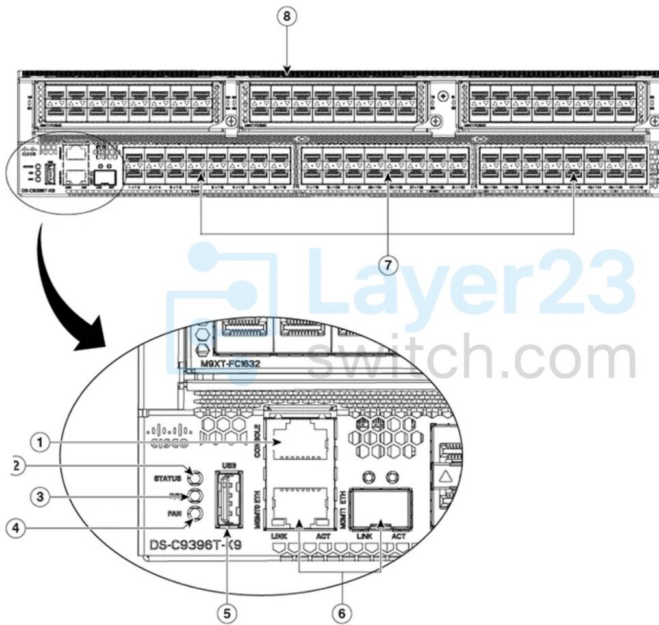
Operations at fleet scale

POAP zero-touch provisioning, templating in Cisco NDFC/DCNM, and REST/NX-API/Ansible workflows support infrastructure-as-code rollouts and repeatable change control.

Front View

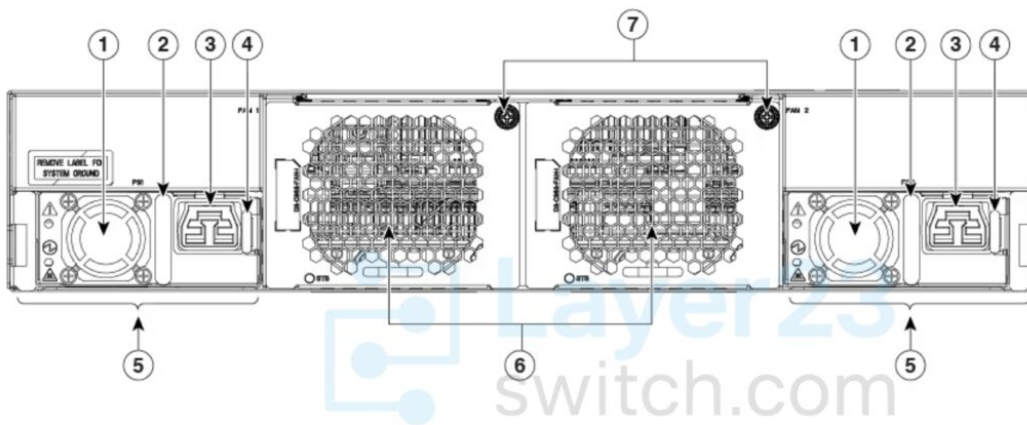


1	LEM slot 1	3	LEM slot 3
2	LEM slot 2		

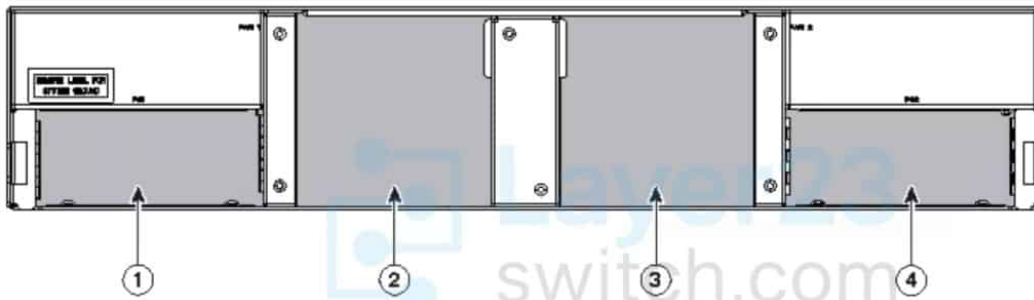


1	Serial console port	5	USB port
2	System status LED	6	Ethernet management ports (2)
3	Power supply status LED	7	Base Fibre Channel ports
4	Fan status LED	8	Airflow Grill

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-48EK9 (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 × 16 ports (smaller failure domains)	Line-rate forwarding	Consistent low-latency at 32G
NVMe/FC	NVMe-ready; seamless transition on same fabric	Long-distance credits	≥6 ports up to 8270 B2B; up to 612 km @ 32G
Telemetry	Hardware-assisted SAN Analytics; streaming telemetry	Diagnostics	Slow-drain detection, ISL/HBA diagnostics

Parameter	Specification	Parameter	Specification
Fabric services	VSANs, Smart/Auto Zoning, IVR (license), QoS	High availability	Redundant hot-swappable PSUs and fans; port-channels across groups
Airflow	Port-side exhaust (blue), DS-C96S-FAN-E	PSUs	2 × 1200W DS-CAC-1200W, bidirectional airflow
Typical power (ref.)	497W @ 48×32G optics; 555W @ 96×32G optics	AC/DC input	90–305 VAC; 192–400 VDC (DS-CAC-1200W)
Dimensions (HxWxD)	3.39 × 17.42 × 22.28 in (8.61 × 44.25 × 56.59 cm)	Weight	Approx. 41.62 lb (18.88 kg)
Management	Cisco NX-OS; NX-API/REST; NDFC/DCNM	Interoperability	MDS 9000 family per Cisco matrix
Certifications	Safety/EMC/RoHS (per datasheet)	Accessories	Rail kit, regional power cords; optics ordered separately

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