

**BRAND NEW & VERIFIED**



**VERIFIED PRODUCT DATASHEET**

# DS-C9396T-48ITK9

Cisco Network Hardware Specification, Availability and Quote Reference

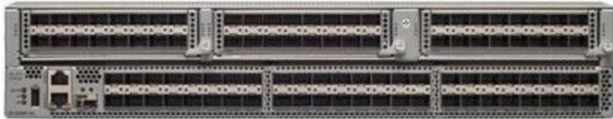
<b>Product Model</b>	<b>DS-C9396T-48ITK9</b>
<b>Document Type</b>	<b>Product Datasheet</b>
<b>Condition</b>	<b>Brand New, Original and Verifieded</b>
<b>Supplier</b>	<b>Layer23-Switch.com</b>

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## DS-C9396T-48ITK9 Datasheet

The Cisco DS-C9396T-48ITK9 datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the DS-C9396T-48ITK9 and integrate it into enterprise or service provider networks with confidence.

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### Key Features

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#### Aggregation-grade density with staged growth

Start at 48 active ports and scale to 96 in 16-port steps, consolidating many access racks into a stable 2RU core while controlling optics and cabling sprawl.

#### Distance-tolerant replication and mobility

Extended buffer-to-buffer credits on designated ports help sustain throughput over higher-latency metro links for synchronous/asynchronous copy, workload mobility, and DR exercises.

#### Analytics-first operations

Hardware-assisted SAN Analytics and model-driven telemetry expose congested paths, slow-drain endpoints, and mis-zoned traffic early, cutting MTTR and improving change windows.

#### Fault-domain isolation by design

Six 16-port groups and port-channels spread across groups limit blast radius; redundant, hot-swappable PSUs and fans support 24x7 maintenance without service impact.

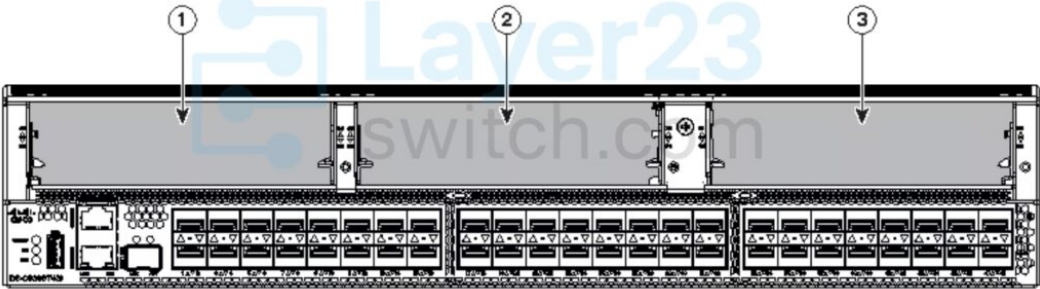
#### Secure multi-environment segmentation

VSANs, IVR (license), and centralized AAA/RBAC enable clean separation of dev/test/prod or tenants, with policy consistency for regulated teams and shared infrastructures.

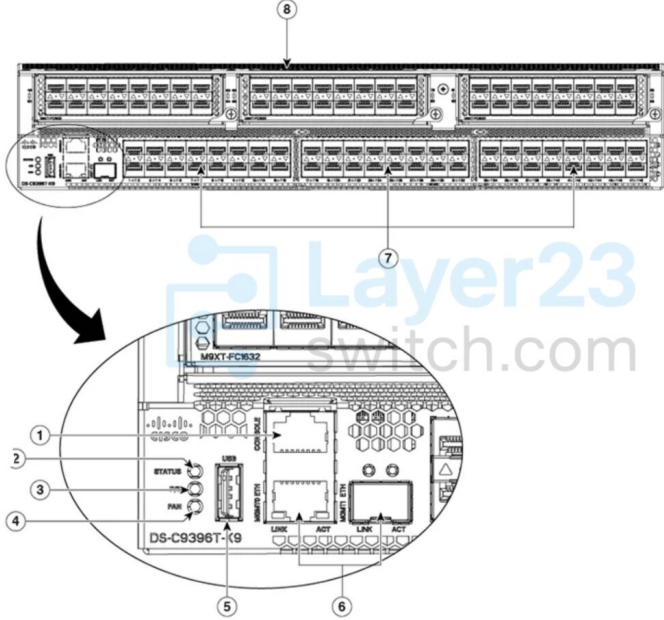
# Intake airflow alignment with bundle convenience

Port-side intake matches front-cold aisle policies; bundle SKU simplifies procurement standardization across sites while keeping a single spares profile.

## Front View

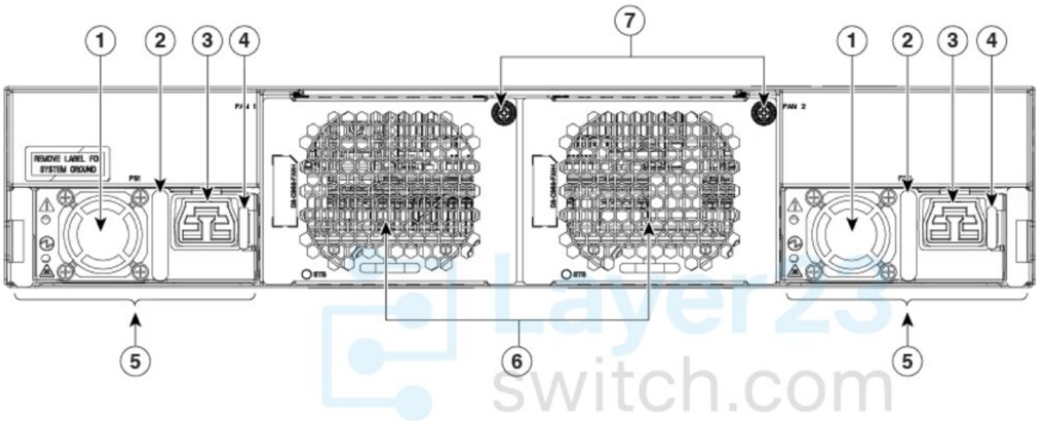


1	LEM slot 1	3	LEM slot 3
2	LEM slot 2		

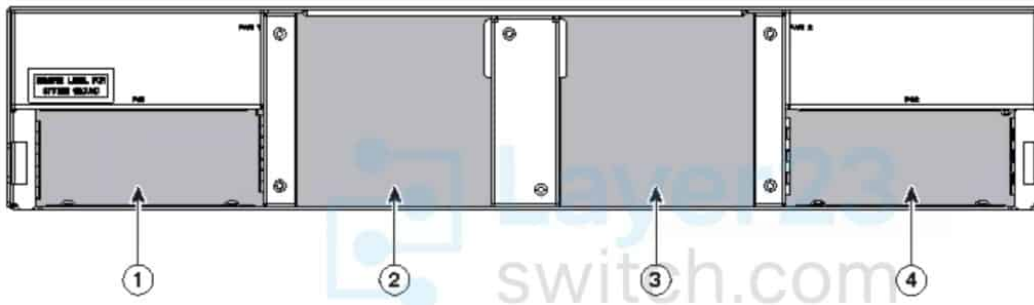


1	Serial console port	5	USB port
2	System status LED	6	Ethernet management ports (2)
3	Power supply status LED	7	Base Fibre Channel ports
4	Fan status LED	8	Airflow Grill

**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-48ITK9 (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
Telemetry/analytics	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/thermal	Per datasheet/project file	AC/DC input	Per PSU spec (VAC and VDC supported)
Dimensions (HxWxD)	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 compatibility matrix	Accessories	Rail kit; regional power cords; optics ordered separately

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