

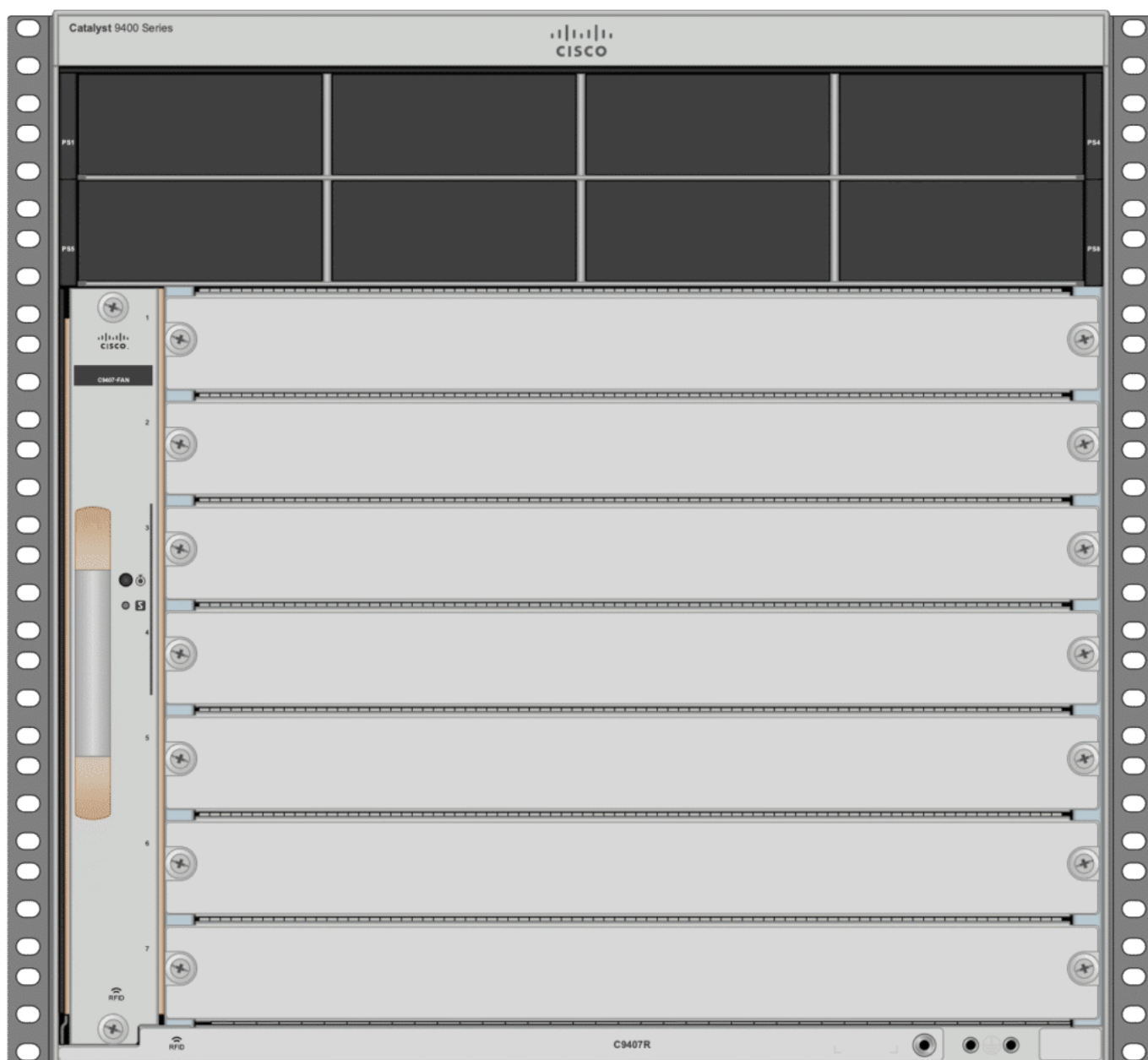


C9407R DataSheet

Explore the Cisco Catalyst C9407R: a 7-slot modular chassis with 2.4 Tbps fabric, 4,320 W PoE per slot, redundant supervisors, and enterprise-grade resiliency.

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C9407R Description



The Cisco Catalyst C9407R delivers a modular, 7-slot chassis architecture optimized for enterprise access and distribution. With up to 2.4 Tbps of fabric capacity, 4,320 W of PoE per slot, redundant supervisor engines (1+1), and front-serviceable fan trays, it scales to 240 nonblocking ports (1–10 Gbps copper/fiber, multigigabit, 25/40/100 Gbps) and supports advanced high-availability features like

StackWise® Virtual, ISSU, NSF/SSO, and N+1/N+N power redundancy. Ideal for campus distribution, IoT-powered environments, and collapsed-core access deployments.

Model Meaning

Segment	Meaning
C94	Catalyst 9400 Series
07	7-slot chassis
R	Redundant supervisors & front-accessible fan tray

Model Comparison

Feature	C9404R	C9407R	C9410R
Total slots	4	7	10
Line-card slots	2	5	8
Supervisor slots	2	2	2
Max system bandwidth	1 Tbps	2.4 Tbps	3.84 Tbps
Max PoE per slot	4,320 W	4,320 W	4,320 W
Max nonblocking ports	96	240	384
25 GbE ports (with SUP-2XL)	48	108	168
40 GbE ports	24	60	96
100 GbE ports	8	20	32

Specification

Parameter	Value	Parameter	Value
Model	C9407R	Total slots	7 (5 line-card, 2 supervisor)
Line-card slots	5	Supervisor slots	2
Dedicated sup slots	Slots 3-4 (line cards: 1-2, 5-7) :contentReference[oaicite:19]{index=19}	Bandwidth/slot	480 Gbps (SUP-2XL)
Max system bandwidth	2.4 Tbps	Max PoE/slot	4,320 W
Max 90 W PoE ports	226	Dimensions	17.41 × 17.30 × 16.30 in
Rack units	10 RU	Weight	63 lb
Power bays	8	Fan tray bays	1 (dual)
Airflow	Side-to-side	Supervisor redundancy	1+1
Sup engines supported	SUP-1/1XL/1XL-Y, SUP-2/2XL	Stacking	StackWise Virtual
Software	IOS XE 16.6.1+ / 17.7.1 (SUP-2/2XL)	MTBF	1,571,010 hrs
Citation	© Cisco 2024		

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