Thuyết minh thông số kỹ thuật sản phẩm
Switch Cisco Catalyst C9200-24T-A

C9200-24T-A Catalyst 9200 24-Port data, Module Network, Network Advantage

Performance & Bandwidth thông số	
Mã part	C9200-24T-A
Cấu hình	24 x Gigabit Ethernet Network
	Options Module Uplink C9200-NM-4G ; C9200-NM-4X ; C9200-NM-2Y
Virtual Networks	4
Stacking bandwidth	160 Gbps
Total number of MAC addresses	32,000
Total number of IPv4 routes (ARP plus learned routes)	14,000 (10,000 direct routes and 4,000 indirect routes)
IPv4 routing entries	4,000
IPv6 routing entries	2,000
Multicast routing scale	1,000
QoS scale entries	1,000
ACL scale entries	1,600
Packet buffer per SKU	6 MB buffers for 24- or 48-port Gigabit Ethernet models , 12MB buffers for 24 or 48 port multigigabit models
Flexible NetFlow (FNF) entries	16,000 flows on 24- and 48-port Gigabit Ethernet models
DRAM	4 GB
Flash	4 GB
VLAN IDs	4096
Total Switched Virtual Interfaces (SVIs)	1000
Jumbo frames	9198 bytes
Wireless bandwidth per switch	Up to 48 Gbps on 24-port and 48-port Gigabit Ethernet model
IP SGT binding scale	8K
Number of IPv4 bindings	8K
Number of SGT/DGT policies	2K
Number of SXP Sessions	200
Switching capacity	128 Gbps
Switch capacity with Stacking	288 Gbps
Forwarding rate	95.23 Mpps
Forwarding rate with Stacking	214 Mpps
Stacking support	StackWise-160
Stacking bandwidth support	160 Gbps
Stacking hardware	C9200-STACK-KIT
Number of members	8
Supported stack members	Other C9200 models with same license level
Thông số kỹ thuật nguồn	
Nguồn cho C9200	PWR-C6-125WAC ; PWR-C6-125WAC/2
Power supply rated maximum	125W
Total output BTU (note: 1000 BTU/hr = 293W)	426.5 BTU/hr, 125W
Input-voltage range and frequency	100 to 240 VAC,
	50 to 60 Hz
Input current	1.6-0.7A
Output ratings	12V at 10.5A

Output holdup time	20 ms minimum at 100 VAC
Power-supply input receptacles	IEC 320-C14
	(IEC60320-C14)
Power cord rating	10A
Physical specifications	(H x W x D): 1.58" x 4.0" x 7.6"
	Weight: 1.5 lb (0.68 kg)
Supported Product Family	C9200
Operating temperature	Normal operating temperature* and altitudes:
	• -5°C to +45°C, up to 5000 feet (1500m)
	• -5°C to +40°C, up to 10,000 feet (3000m)
	* Minimum ambient temperature for cold start is 32°F (0°C)
	Short-term* exceptional conditions:
	• -5°C to +50°C, up to 5000 feet (1500m)
	• -5°C to +45°C, up to 10,000 feet (3000m)
	• -5°C to +45°C, at sea level with single fan failure
	* Not more than following in one-year period: 96 consecutive hours, or 360 hours total, or 15 occurrences
Storage temperature	-40° to 158°F (-40° to 70°C)
Relative humidity operating and nonoperating noncondensing	5% to 90% noncondensing
DNA mua kèm Switch Cisco C9200	
Network Advantage	Tính năng DNA trên Cisco Catalyst 9300
✓	Switch fundamentals
	Layer 2, Routed Access (RIP, EIGRP Stub, OSPF - 1000 routes), PBR, PIM Stub Multicast (1000 routes)), PVLAN, VRRP, PBR, CDP, QoS, FHS, 802.1X, MACsec-128, CoPP, SXP, IP SLA Responder, SSO
✓	Advanced switch capabilities and scale
	BGP, EIGRP, HSRP, IS-IS, BSR, MSDP, PIM-BIDIR,* IP SLA, OSPF
✓	Network segmentation
	VRF, VXLAN, LISP, SGT, MPLS, mVPN
✓	Automation
	NETCONF, RESTCONF, gRPC, YANG, PnP Agent, ZTP/Open PnP, GuestShell (On-Box Python)
✓	Telemetry and visibility
	Model-driven telemetry, sampled NetFlow, SPAN, RSPAN
✓	High availability and resiliency
	Nonstop Forwarding (NSF), Graceful Insertion and Removal (GIR), Fast Software Upgrade (FSU), Software Patching (CLI Based)
✓	IOT integration
	AVB, PTP, CoAP
✓	Security
	MACsec-256
Cisco DNA Advantage	Tính năng Cisco DNA Advantage
	Switch features
✓	Optimized network deployments
	Cisco DNA Service for Bonjour
✓	Advanced telemetry and visibility
	Full Flexible NetFlow, EEM
✓	Optimized telemetry and visibility
	ERSPAN, AVC (NBAR2), app hosting (in containers/VMs), Wireshark
✓	Advanced security
	Encrypted Traffic Analytics (ETA)
	Cisco DNA Center features
✓	Day-0 network bring-up automation
	Cisco Network Plug-and-Play application, network settings, device credentials, LAN automation, host onboarding
✓	Element management
	Discovery, inventory, topology, software image, licensing, and configuration management
✓	Element management
	Patch management
	Basic Assurance

✓	Health dashboards – Network, Client, Application; switch and wired client health monitoring
✓	SD-Access
	Policy-based automation and assurance for wired and wireless
✓	SD-Access Embedded Wireless
	C9800 Wireless Software package to enable Wireless Controller Functionality[*]
✓	Network assurance and analytics
	Global insights, trends, compliance, custom reports; switch 360, wired client 360; fabric and non-fabric insights; app health, app 360, app performance (loss, latency, jitter)
	Other Software included (can be purchased separately)
✗	ISE Base
✗	ISE Plus
✗	StealthWatch