

## Thuyết minh thông số kỹ thuật Switch Nexus Cisco N3K-C31108TC-V

Performance & Bandwidth thông số thiết bị chuyển mạch Switch Cisco Nexus N3K-C31108TC-V Switch - L3 - managed - 48 x 10 Gigabit Ethernet + 6 x QSFP+ - front to back airflow - rack-mountable	
Mã	N3K-C31108TC-V
Product Description	Cisco Nexus 31108TC-V - switch - 48 ports - managed - rack-mountable
Device Type	Switch - 48 ports - L3 - managed
Enclosure Type	Front to back airflow rack-mountable 1U
Subtype	10 Gigabit Ethernet
Ports	48 x 10 Gigabit Ethernet + 6 x QSFP+
Performance	Switching capacity: 2.8 Tbps   Forwarding performance: 1.4 Bpps   Latency: 650 ns
Capacity	Virtual interfaces (VLANs): 4096   Multiple Spanning Tree Protocol instances: 64   Rapid Spanning Tree Protocol instances: 512   ACL entries (ingress): 16000   ACL entries (egress): 1000
MAC Address Table Size	288K entries
Jumbo Frame Support	9216 bytes
Routing Protocol	OSPF, RIP-2, IGMPv2, HSRP, VRRP, OSPFv2, PIM-SM, IGMPv3, MSDP, ECMP, CIDR
Remote Management Protocol	SNMP 1, SNMP 2, RMON, Telnet, SNMP 3, SSH-2, CLI
Features	DHCP support, BOOTP support, trunking, VLAN support, Syslog support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, DHCP snooping, Trivial File Transfer Protocol (TFTP) support, Access Control List (ACL) support, Jumbo Frames support, EIGRP Stub Routing, Unicast Reverse Path Forwarding (URPF), Uni-Directional Link Detection (UDLD), NTP time synchronization, Virtual PortChannel (vPC) technology, Precision Time Protocol (PTP), Virtual Extensible LAN (VXLAN), Ethernet Virtual Private Network (EVPN)
Compliant Standards	IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.3ae, IEEE 802.1s, IEEE 802.1ab (LLDP), IEEE 802.3an, IEEE 802.3ba, IEEE 1588-2008
Power	AC 120/230 V (50/60 Hz)
Power Redundancy	Yes
Dimensions (WxDxH)	17.3 in x 19.9 in x 1.7 in
Weight	22.05 lbs
Manufacturer Warranty	1-year warranty
General	
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Remote Management Protocol	SNMP 1, SNMP 2, RMON, Telnet, SNMP 3, SSH-2, CLI
Encryption Algorithm	AES
Authentication Method	RADIUS, TACACS+, MS-CHAP, Secure Shell v.2 (SSH2)
Features	DHCP support, BOOTP support, trunking, VLAN support, Syslog support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, DHCP snooping, Trivial File Transfer Protocol (TFTP) support, Access Control List (ACL) support, Jumbo Frames support, EIGRP Stub Routing, Unicast Reverse Path Forwarding (URPF), Uni-Directional Link Detection (UDLD), NTP time synchronization, Virtual PortChannel (vPC) technology, Precision Time Protocol (PTP), Virtual Extensible LAN (VXLAN), Ethernet Virtual Private Network (EVPN)
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Flash Memory	16 GB

Expansion / Connectivity	
Interfaces	48 x 10GBase-T RJ-45   1 x 1000Base-T RJ-45 management   6 x QSFP+   1 x serial (RS-232)   1 x USB
Manufacturer Warranty	
Service & Support	Limited warranty - advance parts replacement - 1 year - response time: 10 days
Miscellaneous	
Compliant Standards	CISPR 22 Class A, BSMI CNS 13438 Class A, CISPR 24, EN 61000-3-2, EN 61000-3-3, EN55024, AS/NZS 60950-1, ICES-003 Class A, RoHS, UL 60950-1 Second Edition, GB 4943, Directive 2004/108/EC, CSA C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, Directive 2006/95/EC, VCCI Class A, KN24, KN22 Class A, EN 55022 Class A, EN 300 386
Power	
Power Device	Internal power supply - hot-plug
Installed Qty	2 (installed) / 2 (max)
Power Redundancy	Yes
Power Redundancy Scheme	1+1
Voltage Required	AC 120/230 V (50/60 Hz)
Software / System Requirements	
Software Included	Cisco NX-OS Layer 3 Base Services
Environmental Parameters	
Min Operating Temperature	32 °F
Max Operating Temperature	104 °F
Humidity Range Operating	10 - 85% (non-condensing)
Min Storage Temperature	-40 °F
Max Storage Temperature	158 °F
Humidity Range Storage	5 - 95% (non-condensing)
Dimensions & Weight	
Width	17.3 in
Depth	19.9 in
Height	1.7 in
Weight	22.05 lbs