

Cisco Nexus 31108TC-V - Switch

L3 - Managed - 48 x 10 Gigabit Ethernet + 6 x QSFP+ - front to back airflow - rack-mountable

Group	Network Equipment
Manufacturer	Cisco
Manufacturer item no.	N3K-C31108TC-V
EAN/UPC	0882658903465



Description

The Cisco Nexus 31108TC-V is a 10GBASE-T switch with 48 10GBASE-T ports and 6 QSFP28 ports. This switch is well suited for customers who want to reuse existing copper cabling while migrating from 1-Gbps to 10-Gbps servers. QSFP28 port can operate in native 100-Gbps or 40-Gbps mode or 4 x 10-Gbps mode. The 48 ports support 100MBASE, 1GBASE, and 10GBASE-T, and the 6 QSFP ports support 10, 40, and 100 Gbps.

Main features

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 synchronisation, 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)	43.9 cm x 50.5 cm x 4.4 cm
Weight	10 kg

Extended details

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 synchronisation, 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
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)
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
Software / System Requirements	
Software Included	Cisco NX-OS Layer 3 Base Services

Dimensions & Weight

Width	43.9 cm
Depth	50.5 cm
Height	4.4 cm
Weight	10 kg

Manufacturer Warranty

Service & Support	Limited warranty - advance parts replacement - 1 year - response time: 10 days
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	10 - 85% (non-condensing)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 95% (non-condensing)

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