

Refurbished CISCO N2232TP-BA-BUN Datasheet

CISCO > SWITCHES

Cisco Nexus 2000 Series Fabric Extenders

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Cisco Nexus 2148T	48t 1000BASE-T host interfaces and 4 x 10 Gigabit Ethernet fabric interfaces (Enhanced Small Form-Factor Pluggable [SFP+])
Cisco Nexus 2224TP GE	24 x 100/1000BASE-T host interfaces and 2 x10 Gigabit Ethernet fabric interfaces (Enhanced Small Form-Factor Pluggable [SFP+])
Cisco Nexus 2248TP GE	48 x 100/1000BASE-T host interfaces and 4 x 10 Gigabit Ethernet fabric interfaces (SFP+)
Cisco Nexus 2248TP-E	48 x 100/1000BASE-T host interfaces and 4 x 10 Gigabit Ethernet fabric interfaces (SFP+)
Cisco Nexus 2232PP 10GE	32 x 1/10 Gigabit Ethernet and Fibre Channel over Ethernet (FCoE) host interfaces (SFP+) and 8 x 10 Gigabit Ethernet and FCoE fabric interfaces (SFP+)
Cisco Nexus 2248PQ 10GE	48 x 1/10 Gigabit Ethernet and FCoE host interfaces (SFP+) and 4 Quad SFP+ (QSFP+) Gigabit Ethernet and FCoE fabric interfaces (QSFP+)
Cisco Nexus 2232TM 10GE	32 x 100M, 1/10GBASE-T host interfaces and uplink modules (8 x 10 Gigabit Ethernet fabric interfaces [SFP+])
Cisco Nexus 2232TM-E 10GE	32 x 100M, 1/10GBASE-T host interfaces and uplink modules (8 x 10 Gigabit Ethernet fabric interfaces [SFP+]); FCoE support up to 30m with Category 6a and 7 cables

Cisco Nexus 2000 Series Compliance Information

Specification

Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC.
Safety	UL 60950-1 CAN/CSA-C22.2 No. 60950-1EN 60950-1 IEC 60950-1AS/NZS 60950-1GB4943
EMC: Emissions	47CFR Part 15 (CFR 47) Class A AS/NZS CISPR22 Class A CISPR22 Class A EN55022 Class A ICES003 Class A VCCI Class A EN61000-3-2 EN61000-3-3 KN22 Class A CNS13438 Class A
EMC: Immunity	EN50082-1 EN61000-6-1 EN55024 CISPR24 EN300386 KN 61000-4 series
RoHS	The Cisco Nexus 2148T is RoHS-5 compliant, and the Cisco Nexus 2224T, 2248TP, 2232PP, 2248PQ, 2232TM, and 2232TM-E are RoHS-6 compliant.
Network Equipment Building Standards (NEBS)	The Cisco Nexus 2248TP, 2248TP-E, and 2232PP meet NEBS level-3 standards (hardware revision 3).

Feature Support for Cisco Nexus 2000 Series

Description	
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Layer 2 features	Layer 2 VLAN trunks IEEE 802.1Q VLAN encapsulation Cisco EtherChannel technology on uplinks PortChannel on server ports on Cisco Nexus 2200 platforms Advanced PortChannel hashing Jumbo frames on all ports (up to 9216 bytes) Pause frames (Priority Flow Control [PFC] and IEEE 802.3x) Private VLANs (promiscuous only on uplinks) Local multicast replication on Cisco Nexus 2200 platform (8000 entries) Autonegotiation to 1000BASE-T; full duplex on host interfaces
Enhanced Ethernet	DCB (Cisco Nexus 2232PP)
Quality of service (QoS)	Layer 2 IEEE 802.1p (class of service [CoS]) 8 hardware queues per port (Cisco Nexus 2200 platforms), or 4 hardware queues per port (Cisco Nexus 2148T) Per-port QoS configuration Local policing on Cisco Nexus 2200 platform (64 policers) CoS trust Configurable tail-drop threshold on Cisco Nexus 2200 platforms Egress strict-priority queuing Egress port-based scheduling: Weighted Round Robin (WRR)
High availability	Hot-swappable field-replaceable power supplies and fan modules 1:1 power redundancy Uplink traffic management through Cisco EtherChannel hashing or static port pinning vPCs for dual-homed active-active connectivity across two Cisco Nexus 5000 or 6000 Series Switches vPCs for dual-homed straight-through NIC connectivity across two Cisco Nexus 2000 Series Fabric Extenders ISSU
Security	Local classification (256 access control list [ACL] entries)
Management	Fabric extender management using in-band management Locator and beacon LEDs on front and back of chassis (locator beacons on the front and rear of the chassis help reduce errors when the equipment is serviced) Per-port locator and beacon LEDs Syslog Simple Network Management Protocol Versions 1, 2, and 3 (SNMP v1, v2, and v3) Enhanced SNMP MIB support XML (NETCONF) support Remote Monitoring (RMON) Cisco Discovery Protocol Versions 1 and 2 Cisco Switched Port Analyzer (SPAN) source on server ports Power-on self-test (POST) Cisco Generic Online Diagnostics (GOLD): Ethernet Comprehensive bootup diagnostic tests CiscoWorks Cisco Data Center Network Manager (DCNM); the Cisco Nexus 2000 Series is managed through the parent Cisco Nexus switch using DCNM and standard SNMP, XML interface, and command-line interface (CLI)
Configuration MIBs	ENTITY-MIB IF-MIB FABRIC-EXTENDER MIB CISCO-ENTITY-EXT-MIB CISCO-ENTITY-FRU-CONTROL-MIB CISCO-ENTITY-SENSOR-MIB CISCO-ETHERNET-FABRIC-EXTENDER-MIB
Monitoring MIBs	RMON-MIB
Industry standards	IEEE 802.1p: CoS prioritization IEEE 802.1Q: VLAN tagging IEEE 802.3: Ethernet IEEE 802.3ae: 10 Gigabit Ethernet SFF 8431 SFP+ support IEEE 802.3u 100BASE-TX specification IEEE 802.3ab 1000BASE-T specification IEEE 802.3an 10GBASE-T 10GBASE-SR 10GBASE-LR RMON SFF-8461

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