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Refurbished CISCO N2K-C2348UPQ Datasheet

CISCO > SWITCHES

Cisco Nexus 2000 Series Fabric Extenders

Cisco Nexus 2300 Platform Fabric Extenders

Fabric Extender	
Cisco Nexus 2348UPQ 10GE	48 x 1/10 Gigabit Ethernet and unified port host interfaces (SFP+) and up to 6 QSFP+ 10/40 Gigabit Ethernet fabric interfaces
Cisco Nexus 2348TQ 10GE	48 x 100MBASE-T and 1/10GBASE-T port host interfaces (RJ-45) and up to 6 QSFP+ 10/40 Gigabit Ethernet fabric interfaces; FCoE support up to 30m with Category 6a and 7 cables
Cisco Nexus 2332TQ 10GE	32 x 100MBASE-T and 1/10GBASE-T port host interfaces (RJ-45) and up to 4 QSFP+ 10/40 Gigabit Ethernet fabric interfaces; FCoE support up to 30m with Category 6a and 7 cables
Cisco Nexus 2348TQ-E 10GE	48 x 100MBASE-T and 1/10GBASE-T port host interfaces (RJ-45) and up to 6 QSFP+ 10/40 Gigabit Ethernet fabric interfaces; FCoE support up to 30m with Category 6a and 7 cables

Cisco Nexus 2300 Airflow Optimization Accessories

Accessories	
Accessories	Airflow Extension Sleeve
Part number	NXA-AIRFLOW-SLV-E=
Description	Cisco Nexus airflow extension sleeve: Optimizes airflow in port-side exhaust (front to back) airflow deployments for alignment of port in back of rack and extension of power-supply side of chassis to front of rack with airflow sleeve
Compatibility	Cisco Nexus 2300 platform chassis
Dimensions (H x W x D)	1.72 (1RU) x 17.3 x 8.5 in. (fully retracted) or 12.9 in. (fully extended) Adjustable depth for the fabric extender: 26 to 30 in.
Weight	5.7 lb (2.6 kg)

Cisco Nexus 2300 Platform 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 2348UPQ, 2348TQ, and 2332TQ are RoHS-6 compliant
Network Equipment Building Standards (NEBS)	The Cisco Nexus 2348UPQ, 2348TQ, and 2332TQ meet NEBS level-3 standards (hardware revision 3) (not currently supported)

Feature Support for Cisco Nexus 2300 Platform

Description	
Description	Specification
Layer 2 features	Layer 2 VLAN trunks IEEE 802.1Q VLAN encapsulation Cisco EtherChannel technology on uplinks PortChannel on server ports on Cisco Nexus 2300 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 2300 platform (8000 entries) Autonegotiation to 1000BASE-T; full duplex on host interfaces
Enhanced Ethernet	DCB
Quality of service (QoS)	Layer 2 IEEE 802.1p (Class of Service [CoS]) Eight hardware queues per port (Cisco Nexus 2300 platforms) Per-port QoS configuration Local policing on Cisco Nexus 2300 platform (64 policers) CoS trust Configurable tail-drop threshold on Cisco Nexus 2300 platform 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 parent switches vPCs for dual-homed straight-through NIC connectivity across two Cisco Nexus 2300 platform fabric extenders In-Service Software Upgrade (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 2300 platform 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

The next steps...

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