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Refurbished CISCO WS-C3560X-24P-L Datasheet

CISCO > SWITCHES

Cisco Catalyst 3750-X Series Switches

Network Module Numbers and Descriptions

Product Number	
Product Number	Product Description
C3KX-NM-1G	Four GbE port network module
C3KX-NM-10G	Two 10GbE SFP+ ports network module with four physical ports with two SFP+ and two regular SFP ports
C3KX-NM-10GT	Two 10GB-T ports network module
C3KX-SM-10G	Service Module with two 10GbE SFP+ ports network module for Netflow and MACsec encryption

10GB-T Cable Types and Supported Lengths

Category 6a*	
Category 6a	100 meters

Cisco Catalyst 3750-X and 3560-X Performance Specifications

Performance Numbers for All Switch Models	
Switching Fabric	160 Gbps
DRAM	256 MB (512 MB for 3750X-12S and 3750X-24S)
Flash	64 MB (128 MB for 3750X-12S and 3750X-24S)
Total VLANs	1005
VLAN IDs	4K
Total Switched Virtual Interfaces (SVIs)	1K
Jumbo Frame	9216 Byte

Dimensions, Weight, Acoustic, MTBF, and Environmental Range

Acoustic Noise Measured per ISO 7779 & Declared per ISO 9296 Bystander positions operating to an ambient temperature of 25°C	
Acoustic Noise Measured per ISO 7779 & Declared per ISO 9296 Bystander positions operating to an ambient temperature of 25°C	With AC Power Supply (with 16PoE+ ports loaded): LpA: 43 dbA Typical, 46 dbA Maximum LwA: 5.2 Bel Typical, 5.5 Bel Maximum For GE SFP port models: LpA: 31 dbA Typical, 34 dbA Maximum LwA: 4.2 Bel Typical, 4.5 Bel Maximum Typical: Noise emission for a typical configuration Maximum: Statistical maximum to account for variation in production
Relative Humidity	5% to 95%, noncondensing
Storage Environment	Temperature: -40 C' to 70 C' Altitude: 15,000 ft

Vibration	Operating: 0.41Grms from 3 to 500Hz with spectral break points of 0.0005 G2/Hz at 10Hz and 200Hz 5dB/octave roll off at each end.
Shock	Operating: 30G, 2ms Half sine

Connectors and LED Indicators

Connectors and Cabling	1000BASE-T ports: RJ-45 connectors, 2-pair Cat-5E UTP cabling 1000BASE-T SFP-based ports: RJ-45 connectors, 2-pair Cat-5E UTP cabling 100BASE-FX, 1000BASE-SX, -LX/LH, -ZX, -BX10, DWDM and CWDM SFP Transceivers: LC fiber connectors (single-mode or multimode fiber) 10GBASE-SR, LR, LRM, CX1 (v02 or higher) SFP+ Transceivers: LC fiber connectors (single-mode or multimode fiber) Cisco StackWise stacking ports: copper-based Cisco StackWise cabling Cisco StackPower: Cisco Proprietary Power Stacking cables Ethernet Management port: RJ-45 connectors, 2-pair Cat-5 UTP cabling Management console port: RJ-45-to-DB9 cable for PC connections
Power Connectors	Customers can provide power to a switch by using either the internal power supply or the Cisco XPS 2200. The connectors are located at the back of the switch Internal power supply connector: The internal power supply is an autoranging unit. The internal power supply supports input voltages between 100 and 240VAC. Use the supplied AC power cord to connect the AC power connector to an AC power outlet

Safety and Compliance Information for Cisco Catalyst 3750-X and 3560-X Series

Description

Description	Specification
Safety Certifications	UL60950-1 C-UL to CAN/CSA 22.2 No.60950-1 TUV/GS to EN 60950-1 CB to IEC 60950-1 with all country deviations AS/NZS 60950-1 CE Marking NOM (through partners and distributors) GOST (Russia Safety Mark)
Electromagnetic Emissions Certifications	FCC Part 15 Class A EN 55022B Class A (CISPR22 Class A) VCCI Class A AS/NZS 3548 Class A or AS/NZS CISPR22 Class A KCC CE Marking GOST (Russian mark - Post FCS through partners) CCC for PS FRU Redundant
Environmental	Reduction of Hazardous Substances (ROHS) 5
Noise Specifications	Office Product Spec: 48dBA at 30°C (refer to ISO 7779)
Telco	CLEI code

XPS 2200 Performance Specifications

Performance Numbers for XPS 2200

Total Power Sharing Capability (Stack Power Mode, 9 Switches and 20 total 1100W power supplies)	22kW
Maximum Power Back-up Capability (RPS Mode, 2x1100W power supplies in XPS 2200)	2200W
Nominal Voltage	56V
Nominal Maximum Current per Port (input or output)	40A
Flash	8MB

Physical and Environmental Specifications

Description	Specification
Physical specifications	H x W x D: 1.73 x 17.5 x 20.5 in. (4.4 x 44.5 x 52.1 cm) Weight: 19.8 lb (9.0 kg)
Total input BTU (1000 BTU/Hr = 290W)	8525 BTU/Hr
Operating temperature	-5 to 45°C up to 5000ft elevation, -5 to 40°C up to 10000ft elevation
Storage temperature	-40 to 70°C
Relative humidity operating, non□ condensing	5 to 95% non-condensing
Relative humidity non-operating, non□ condensing	5 to 95% non-condensing
Operating altitude	10,000 ft. (3000m)
Storage altitude	15,000 ft. (4750 m)
Mean Time Between Failure (MTBF)	222,000 hours
Electromagnetic compatibility certifications	FCC Class A for North America: 47 CFR Part 15 VCCI Class A for Japan: V-3/2007.04 CCC EMC for China on Spare Power Supplies: EN61000-3-2 (GB17625.1-1998) BSMI Class A for Taiwan: CNS13438 KCC (formerly MIC) GB17625.1-1998 Class A for Korea: KN24/KN22 AS/NZS Class A for Australia: CISPR22:2004 or EN55022 Brazil, ANATEL In-Country approval CE Class A for European Union: EN55022, EN300386, EN55024 (CISPR24)
Safety certifications	UL 60950-1 CAN/CSA 22.2 No.60950-1 EN 60950-1CB to IEC 60950-1 GB 4943

Cisco XPS 2200 Connectors and Cabling

Connectors and Cabling	Cisco StackPower: Cisco Proprietary Power Stacking cables Service port: RJ-45-to-DB9 cable for PC connections
Power Connectors	Customers can provide power to a XPS-2200 by using either the internal power supply or via one or more 3750-X/3560-X Switches. The connectors are located at the back of the switch. (9 StackPower/ XPS ports and up to two AC Power Inlet Connections). Internal power supply connector: The internal power supply is an autoranging unit. The internal power supply supports input voltages between 100 and 240VAC. Use the supplied AC power cord to connect the AC power connector to an AC power outlet.

Cisco XPS 2200 Indicators

RPS Mode- 9 port associated LEDs	Solid Green when in RPS mode and able to backup this Port Blinking Green when actively backing up Port Solid Amber indicates backup not available for this Port Blinking Amber for any port faults
SP Mode- 9 port associated LEDs	Solid Green when in SP mode and there are no issues Blinking Green not defined Solid Amber indicates that SP port off-line (No Power Output) Blinking Amber for any port faults
Combined function (SP and RPS) LEDs	Blinking Amber on both RPS and SP LEDs indicates cable fault (short, etc.) Both RPS and SP ports alternate Green/Amber when selected via push button 18 Port LEDs for new features with more comprehensive single look status assessment
System LEDs - Front of System	System Solid Green - Normal operation with no faults Blinking Green during boot Solid Amber - Temperature faults, cable faults, port faults, power supply faults, fan faults Blinking Amber during software updates Fan

Use one Fan LED, amber when any one fan fails, green when all OK
Each FRU Fan (3) will have an associated Status LED (green=working, amber=failed), but no silkscreen on front panel
Temp
Green - No Problems. Amber - Over Temperature
FEP (PS1 & PS2)
Solid Green - Stack Power Mode OK
Blinking Green - RPS Mode OK
Solid Amber - Stack Power Mode Faulty

The next steps...

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