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Overview

WS-C3750X-48P-S

Cisco Catalyst 3750-X Series Switch

Stackable 48 10/100/1000 Ethernet PoE+ ports
Four optional uplink network modules with GE or 10GE ports
Dual redundant, modular power supplies and fans
Media Access Control Security (MACsec) hardware-based encryption
Flexible NetFlow and switch-to-switch hardware encryption with the Service Module uplink
USB Type-A and Type-B ports for storage and console respectively and an out-of-band Ethernet management port
StackWise Plus
Cisco StackPower™ technology: An innovative feature and industry first for sharing power among stack members
Cisco StackWise Plus technology for ease of use and resiliency with 64 Gbps of throughput
Investment protection with backward compatibility with all other models of Cisco Catalyst 3750 Series Switches
WS-C3750X-48P-S overview

Figure 1

Cisco Catalyst 3750-X Series Switches support 4 optional network modules for uplink ports (Figure 1);
The default switch configuration doesn't include the uplink module;
When purchasing switch, customers have flexibility to choose any group of network modules described below:

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
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Figure 2

Dual Redundant Modular Power Supplies

Cisco Catalyst 3750-X Series and 3560-X Series Switches support dual redundant power supplies (Figure 2); One power supply is shipped with the switch by default; Other power supply/suppliers can be purchased when ordering the switch or next time according to your needs. If only one power supply is installed, it should always be in the power supply bay 1.

Table below shows the different power supplies available in these switches and available PoE power.

Power Supply Models

Models	Default Power Supply	Available PoE Power
24 Port Data Switch	C3KX-PWR-350WAC	-
48 Port Data Switch		
24 Port PoE Switch	C3KX-PWR-715WAC	435W
48 Port PoE Switch		
48 Port Full PoE Switch	C3KX-PWR-1100WAC	800W
24 Port UPOE Switch	C3KX-PWR-1100WAC	800W
48 Port UPOE Switch		

Besides the above power supplies, a 440W DC power supply is available as a spare (should be ordered separately) on all switch models; The DC power supply also delivers PoE capabilities for maximum flexibility, (please refer to table 7 for available PoE for different configurations); Customers can mix and match the AC and DC power supplies in the two available power supply slots. Any of these power supplies can be installed in any of the switches.

Available PoE with DC power supply

Model	# of 440W DC PS	Total Available PoE Budget
24-Port PoE Switch	1	220W
	2	660W
48-Port PoE Switch	1	185W
	2	625W
UPOE (60W per port)	One C3KX-PWR-715WAC and one C3KX-PWR-1100WAC or Two C3KX-PWR-1100WAC	One C3KX-PWR-715WAC and one C3KX-PWR-1100WAC or Two C3KX-PWR-1100WAC

Cisco Catalyst 3750-X Series Switch WS-C3750X-48P-S is an enterprise-class lines of stackable and standalone switches, respectively. Catalyst 3750-X switches provide high availability, scalability, security, energy efficiency, and ease of operation with innovative features such as Cisco StackPower, IEEE 802.3at Power over Ethernet Plus (PoE+) configurations, optional network modules, redundant power supplies, and Media Access Control Security (MACsec) features. Cisco Catalyst 3750-X Series with StackWise Plus technology provides scalability, ease of management and investment protection for the evolving business needs. The Cisco Catalyst 3750-X switches enhance productivity by enabling applications such as IP telephony, wireless, and video for borderless network experience.

Specification

WS-C3750X-48P-S data sheet	
Manufacturer	Cisco Systems, Inc
Manufacturer Part Number	WS-C3750X-48P-S
Product Type	Managed, Stackable 48 ports L3 Switch
Form Factor	Fixed, Rack Mountable 1U, Stackable/Clustering
Switch Port density - Uplinks	48 x 10/100/1000 Ethernet Ports
Power Over Ethernet (PoE)	Yes
Max Number of Stacks	9
Routing Protocol	RIP-1, RIP-2, HSRP, static IP routing, RIPng
Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, TFTP, SSH, CLI
Authentication Method	Kerberos, Secure Shell (SSH), RADIUS, TACACS+
Features	Hot swap module replacement, Layer 3 switching, Layer 2 switching, dynamic IP address assignment , DHCP support, power over Ethernet (PoE), auto-negotiation, ARP support, trunking, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, Syslog support, traffic shaping, Broadcast Storm Control, High Availability, Multicast Storm Control, Unicast Storm Control, Rapid Spanning Tree Protocol (RSTP) support, DHCP snooping, Dynamic Trunking Protocol (DTP) support, Port Aggregation Protocol (PAgP) support, Access Control List (ACL) support, Quality of Service (QoS), Jumbo Frames support, MLD snooping, Dynamic ARP Inspection (DAI), PoE+, Per-VLAN Spanning Tree Plus (PVST+), EIGRP Stub Routing
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ae, IEEE 802.3at

DRAM Memory	256 MB
Flash Memory	128 MB Flash
LED Status Lights Indicators	Port status, link activity, port transmission speed, port duplex mode, power, system
Connectivity / Expansion Slots	
Interfaces	48 x 10Base-T/100Base-TX/1000Base-T - RJ-45 - PoE USB : 1 x 4 PIN USB Type A 1 x console - mini-USB Type B - management 1 x RS-232 - RJ-45 - management 1 x 10Base-T/100Base-TX - RJ-45 - management Network stack device : 2 x
Expansion Slot(s)	1 (total) / 1 (free) x Expansion Slot
Power Supply Specifications	
Power Device	Power supply - redundant - plug-in module
Installed Qty	1 (installed) / 2 (max)
Power Redundancy	Optional
Power Redundancy Scheme	1+1 (with optional power supply)
Voltage Required	AC 120/230 V (50/60 Hz)
Features	Redundant Power System (RPS) connector
Dimensions / Weight / Miscellaneous	
Width	44.5 cm
Depth	46 cm
Height	4.5 cm
Weight	7.5 kg
Rack Mounting Kit	Optional
MTBF	139,913 hour(s)
Compliant Standards	CE, TUV GS, CISPR 22 Class A, GOST, cUL, NOM, VCCI Class A ITE, EN55022 Class A, CB, AS/NZS 60950-1, AS/NZ 3548 Class A, CCC, RoHS, UL 60950-1, IEC 60950-1, EN 60950-1, KCC, FCC Part 15 A, CSA C22.2 No. 60950-1
System Software	
Software Included	Cisco IOS IP Base
Manufacturer Warranty	
Service & Support	Limited lifetime warranty
Service & Support Details	Limited warranty - lifetime Limited warranty - power supply and fans - 5 years New releases update

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