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## Overview

Cisco Catalyst 3750 Series switch 3750-48PS is an innovative product line that improves LAN operating efficiency by combining industry-leading ease of use and the highest resiliency available for stackable switches. This product series represents the next generation in desktop switches, and features Cisco StackWise technology, a 32-Gbps stack interconnect that allows customers to build a unified, highly resilient switching system - one switch at a time. For mid-sized organizations and enterprise branch offices, the Cisco Catalyst 3750 Series eases deployment of converged applications and adapts to changing business needs by providing configuration flexibility, support for converged network patterns, and automation of intelligent network-services configurations.

- 48 Ethernet 10/100 ports with IEEE 802.3af and Cisco prestandard PoE
- 4 SFP-based Gigabit Ethernet ports
- 32-Gbps, high-speed stacking bus
- Innovative stacking technology
- 1 RU stackable, multilayer switch
- Enterprise-class intelligent services delivered to the network edge
- IP Base software feature set (IPB)

## Specification

WS-C3750-48PS-S data sheet	
<b>Manufacturer</b>	Cisco Systems, Inc
<b>Manufacturer Part Number</b>	WS-C3750-48PS-S
<b>Product Type</b>	Managed, Stackable 48 ports L3 Switch
<b>Form Factor</b>	Fixed, Rack Mountable 1U, Stackable/Clustering
<b>Switch Port density - Uplinks</b>	48 x 10/100 + 4 x SFP
<b>Power Over Ethernet (PoE)</b>	Yes
<b>MAC Address Table Size</b>	12K entries
<b>Max Number of Stacks</b>	9
<b>Routing Protocol</b>	RIP-1, RIP-2, EIGRP, static IP routing, RIPng
<b>Remote Management Protocol</b>	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, SSH
<b>Authentication Method</b>	Kerberos, Secure Shell (SSH), RADIUS, TACACS+
<b>Features</b>	Flow control, full duplex capability, Layer 3 switching, auto-sensing per device, IP-routing, DHCP support, power over Ethernet (PoE), auto-negotiation, ARP support, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, traffic shaping, stackable, IPv6 support, Trivial File Transfer Protocol (TFTP) support, Access Control List (ACL) support, Quality of Service (QoS)
<b>Compliant Standards</b>	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 802.3ae, IEEE 802.1s

<b>DRAM Memory</b>	128 MB
<b>Flash Memory</b>	16 MB Flash
<b>LED Status Lights Indicators</b>	Port status, link activity, port transmission speed, port duplex mode, status
<b>Connectivity / Expansion Slots</b>	
<b>Interfaces</b>	48 x 10Base-T/100Base-TX - RJ-45 - PoE 1 x console - RJ-45 - management Network stack device : 4 x SFP (mini-GBIC)
<b>Power Supply Specifications</b>	
<b>Power Device</b>	Power supply - internal
<b>Voltage Required</b>	AC 120/230 V ( 50/60 Hz )
<b>Power Consumption Operational</b>	540 Watt
<b>Features</b>	Redundant Power System (RPS) connector
<b>Dimensions / Weight / Miscellaneous</b>	
<b>Width</b>	44.5 cm
<b>Depth</b>	37.8 cm
<b>Height</b>	4.4 cm
<b>Weight</b>	6 kg
<b>MTBF</b>	166,408 hour(s)
<b>Compliant Standards</b>	CE, FCC Class A certified, TUV GS, BSMI CNS 13438 Class A, CISPR 24, cUL, EN 60950, EN55022, NOM, VCCI Class A ITE, IEC 60950, EN55024, UL 60950 Third Edition, CISPR 22, CSA 22.2 No. 60950, CB, FCC Part 15, MIC, AS/NZS 3548
<b>System Software</b>	
<b>Software Included</b>	Cisco IOS IP Base
<b>Manufacturer Warranty</b>	
<b>Service &amp; Support</b>	Limited lifetime warranty
<b>Service &amp; Support Details</b>	Limited warranty - lifetime

## Download Resource

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### Transition Guide

 [Guide to Upgrade Cisco Access and Backbone Switch](#)

 [Selecting Cisco Switches-Campus, Branch, Digital Building](#)

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