



## Overview

Cisco Catalyst 3750G-48TS ethernet switch is an innovative switch 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

- 48 Ethernet 10/100/1000 ports
- 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)

### Quick Specs

Figure 1 shows the appearance of the WS-C3750G-48TS-S

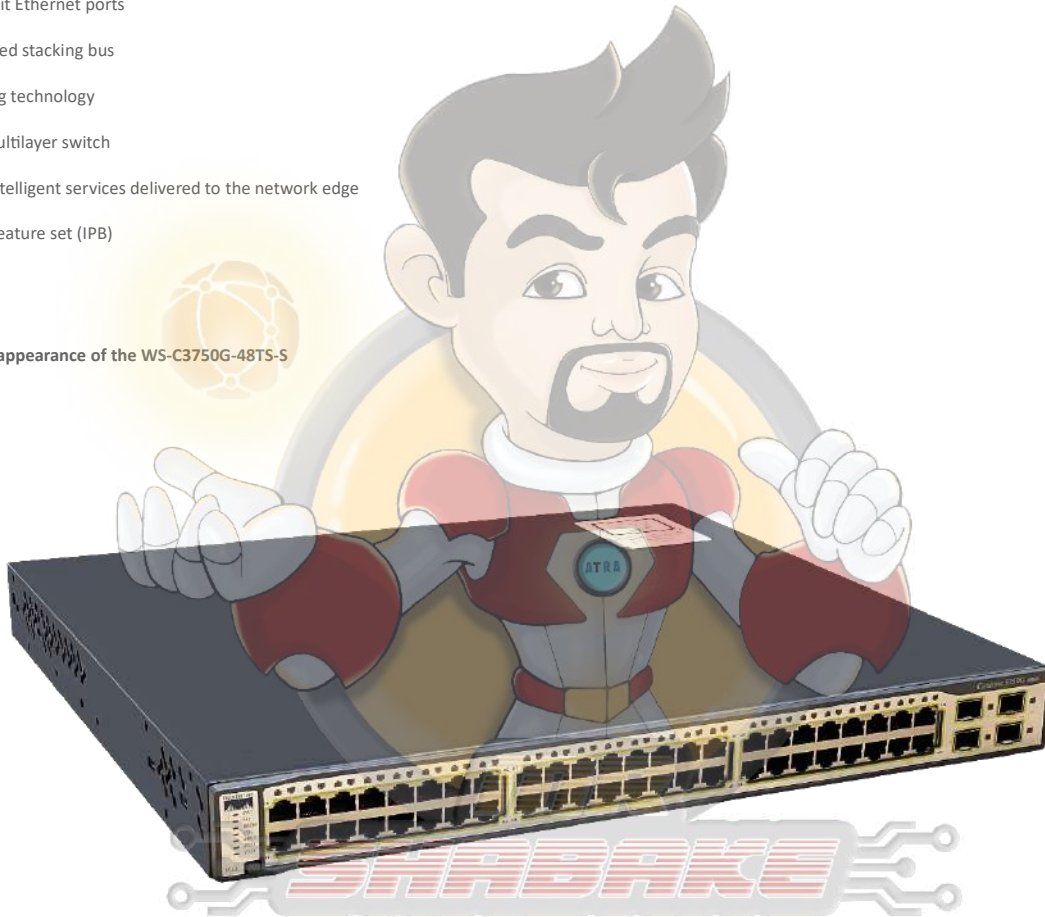


Table 1 shows the Quick Spec of the WS-C3750G-48TS-S.

Product Code	WS-C3750G-48TS-S
Enclosure Type	Rack-mountable - 1U
Feature Set	IP Based
Uplink Interfaces	4 x SFP
Ports	48 x 10/100/1000 ports

Forwarding performance	38.7 mpps
Backplane Capacity	32 Gbps
DRAM	128 MB
Dimensions (W x D x H)	17.5 16.1 1.73 in.
Package Weight (W x D x H)	6.4 Kg

**Product Details**

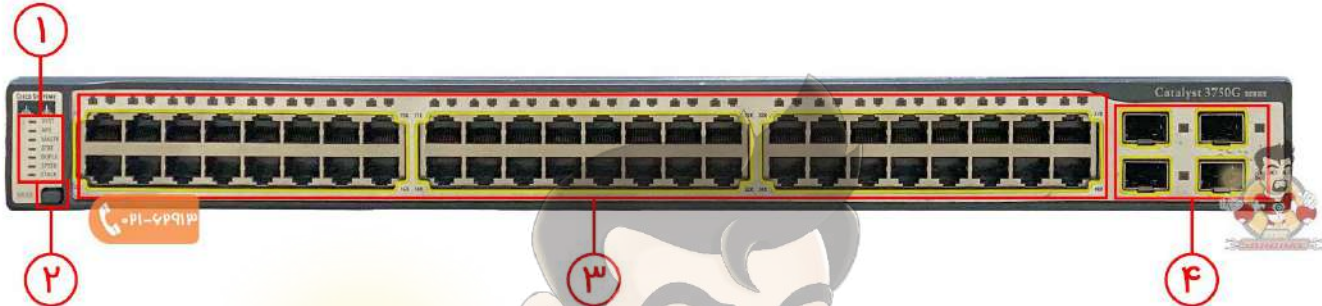


Figure 2 shows the front panel of the WS-C3750G-48TS-S.

(1)	System LEDs	(3)	48 x 10/100/1000 ports
(2)	Mode button	(4)	4 x SFP

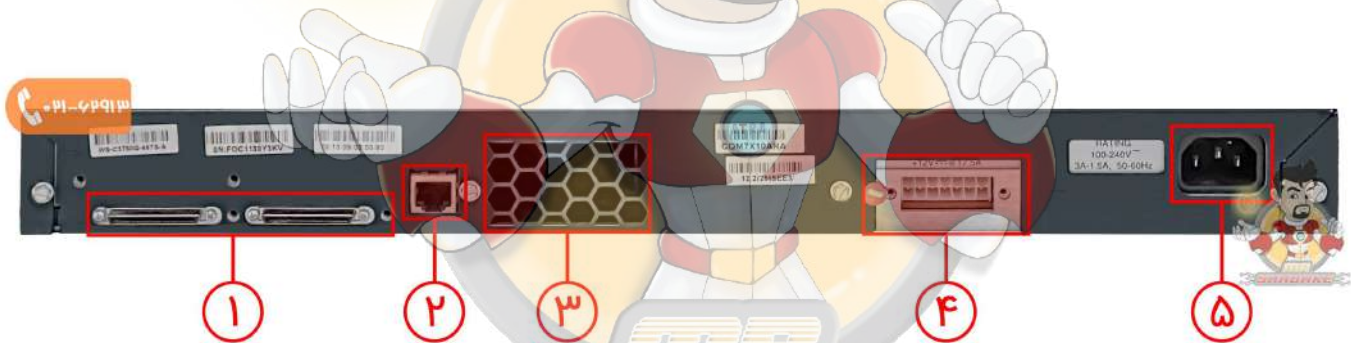


Figure 3 shows the back panel of the WS-C3750G-48TS-S.

(1)	Stack module slots	(4)	RPS connector
(2)	RJ-45 console port for management	(5)	AC Power connector
(3)	Fan compartment		

**Compare to Similar Items**

Table 3 shows the comparison of similar items.

Models	<a href="#">WS-C3750G-48TS-S</a>	<a href="#">WS-C3750G-48TS-E</a>
Ports	48 x 10/100/1000 Gigabit Ethernet ports	48 x 10/100/1000 Gigabit Ethernet ports
Uplinks	4 x SFP	4 x SFP

Feature Set	IP Base	IP Services
stacking technology	1 RU stackable, multilayer switch	1 RU stackable, multilayer switch

### Stacking Cable

<a href="#">CAB-STACK-50CM=</a>	Cisco StackWise 50-cm stacking cable
<a href="#">CAB-STACK-1M=</a>	Cisco StackWise 1-m stacking cable
<a href="#">CAB-STACK-3M=</a>	Cisco StackWise 3-m stacking cable

### The Accessories

Table 2 shows some accessories of the WS-C3750G-48TS-S.

Models	Description
<a href="#">GLC-LH-SM=</a>	GE SFP, LC connector, LH transceiver
<a href="#">GLC-SX-MM=</a>	GE SFP, LC connector, SX transceiver
<a href="#">GLC-ZX-SM=</a>	GE SFP, LC connector, ZX transceiver
<a href="#">GLC-BX-D=</a>	1000Base BX SFP, 1490 nm IEEE 802.3ah single-mode fiber
<a href="#">GLC-BX-U=</a>	1000Base BX SFP, 1310 nm IEEE 802.3ah single-mode fiber
<a href="#">GLC-T=</a>	GE SFP, RJ-45 connector, 10/100/1000BASE-T transceiver
<a href="#">GLC-GE-100FX=</a>	100FX SFP on GE SFP ports for DSBU switches

### Specification

WS-C3750G-48TS-S Specification	
Manufacturer	Cisco Systems, Inc
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 + 4 x SFP
Performance	Switching capacity : 32 Gbps Forwarding performance : 38.7 mpps
MAC Address Table Size	12K entries
Jumbo Frame Support	Yes
Max Number of Stacks	9

Routing Protocol	RIP-1, RIP-2, HSRP, static IP routing, RIPv6
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, SSH, CLI
Authentication Method	Kerberos, Secure Shell (SSH), RADIUS, TACACS+
Features	Flow control, full duplex capability, Layer 3 switching, auto-sensing per device, IP-routing, DHCP support, auto-negotiation, ARP support, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, traffic shaping, stackable, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, Dynamic Trunking Protocol (DTP) support, Port Aggregation Protocol (PAgP) support, Trivial File Transfer Protocol (TFTP) support, Access Control List (ACL) support, Quality of Service (QoS), RADIUS support, Jumbo Frames support, Cisco StackWise Technology, Cisco EnergyWise technology, Uni-Directional Link Detection (UDLD), Rapid Per-VLAN Spanning Tree Plus (PVRST+), Link Aggregation Control Protocol (LACP), Remote Switch Port Analyzer (RSPAN)
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.1s
DRAM Memory	128 MB
Flash Memory	32 MB Flash
LED Status Lights Indicators	Link activity, port transmission speed, port duplex mode, bandwidth utilization %, system, RPS (Redundant Power Supply)
<b>Connectivity / Expansion Slots</b>	
Interfaces	48 x 10Base-T/100Base-TX/1000Base-T - RJ-45 1 x console - RJ-45 - management Network stack device : x 2 4 x SFP (mini-GBIC)
<b>Power Supply Specifications</b>	
Power Device	Power supply – internal
Voltage Required	AC 100-240 V ( 50/60 Hz )
Power Consumption Operational	160 Watt
Features	Redundant Power System (RPS) connector
<b>Dimensions / Weight / Miscellaneous</b>	
Width	44.5 cm
Depth	40.9 cm
Height	4.4 cm
Weight	6.4 kg
MTBF	165,243 hour(s)
Compliant Standards	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>	
Software Included	Cisco IOS IP Base

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