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## Overview

Cisco Catalyst 3750G-48TS 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 Services software feature set (IPS)
- Provides full IPv6 dynamic routing

## Specification

WS-C3750G-48TS-E data sheet	
<b>Manufacturer</b>	Cisco Systems, Inc
<b>Manufacturer Part Number</b>	WS-C3750G-48TS-E
<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 10/100/1000 Ethernet Ports + 4 x SFP
<b>MAC Address Table Size</b>	12K entries
<b>Max Number of Stacks</b>	9
<b>Routing Protocol</b>	OSPF, IGRP, BGP-4, IS-IS, RIP-1, RIP-2, EIGRP, HSRP, PIM-SM, static IP routing, PIM-DM, EIGRP for IPv6, OSPF for IPv6, policy-based routing (PBR), 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, 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 802.3x, 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>	32 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/1000Base-T - RJ-45 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>	160 Watt
<b>Features</b>	Redundant Power System (RPS) connector
<b>Dimensions / Weight / Miscellaneous</b>	
<b>Width</b>	44.5 cm
<b>Depth</b>	40.9 cm
<b>Height</b>	4.4 cm
<b>Weight</b>	6.4 kg
<b>MTBF</b>	165,243 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 Services
<b>Manufacturer Warranty</b>	
<b>Service &amp; Support</b>	Limited lifetime warranty
<b>Service &amp; Support Details</b>	Limited warranty - lifetime

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- Email: [sales@router-switch.com](mailto:sales@router-switch.com)