

# WS-C3750G-12S-S Datasheet

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## Overview

Cisco Catalyst 3750G-12S switch is an innovative product that improves LAN operating efficiency by combining industry-leading ease of use and the highest resiliency available for stackable switches. This new product 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 3750G-12S 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. In addition, the Cisco Catalyst 3750G-12S is optimized for high-density Gigabit Ethernet deployments and includes a diverse range of switches that meet access, aggregation, or small-network backbone- connectivity requirements

- 12 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-C3750G-12S-S data sheet	
<b>Manufacturer</b>	Cisco Systems, Inc
<b>Manufacturer Part Number</b>	WS-C3750G-12S-S
<b>Product Type</b>	Switch - 12 ports - L3 - Managed - stackable
<b>Form Factor</b>	Fixed, Rack Mountable 1U, Stackable/Clustering
<b>Switch Port density - Uplinks</b>	12 x Gigabit SFP
<b>Performance</b>	Switching capacity : 32 Gbps Forwarding performance : 17.8 Mpps
<b>MAC Address Table Size</b>	12K entries
<b>Jumbo Frame Support</b>	Yes
<b>Max Number of Stacks</b>	9
<b>Routing Protocol</b>	RIP-1, RIP-2, HSRP, 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, CLI
<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, 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)
<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>	16 MB Flash
<b>LED Status Lights Indicators</b>	Link activity, port transmission speed, port duplex mode, bandwidth utilization %, system, RPS (Redundant Power Supply)
<b>Connectivity / Expansion Slots</b>	
<b>Interfaces</b>	1 x console - RJ-45 - management Network stack device : 1 x x 2 12 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>	120 Watt
<b>Features</b>	Redundant Power System (RPS) connector
<b>Dimensions / Weight / Miscellaneous</b>	
<b>Width</b>	44.5 cm
<b>Depth</b>	32.6 cm
<b>Height</b>	4.4 cm
<b>Weight</b>	4.6 kg
<b>MTBF</b>	215,000 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

### Transition Guide

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

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

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