WS-C3560X-24T-S Datasheet

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Overview

Cisco Catalyst WS-C3560X-24T-S is 24 Gigabit Ethernet ports standalone switch with no stacking option in IP base feature set. Four optional network modules and license-base software feature offer flexibility, scalability and feature extensibility in order to reduce the cost of development of business needs. IP base feature set provide up to 1005-Vlans and basic layer 3 routing features, advanced security features and management features. WS-C3560X-24T-S is designed for enterprise access/aggregation layer switching; however, customers can transparently upgrade the software feature to by purchasing IP services license to activity advanced layer 3 capability to fully support BGP, EIGRP, OSFP routing. WS-C3560X-24T-S switch comes with one default power supply module, customers can purchase additional power supply module insert into power supply bay 2 in order to power redundancy.

WS-C3560X-24T-S
Cisco Catalyst 3560-X Series Switch

24 * 10/100/1000 Ethernet ports
Four optional uplink network modules with GE or 10GE ports
Dual redundant, modular power supplies and fans
Baseline Layer 3 routing features
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
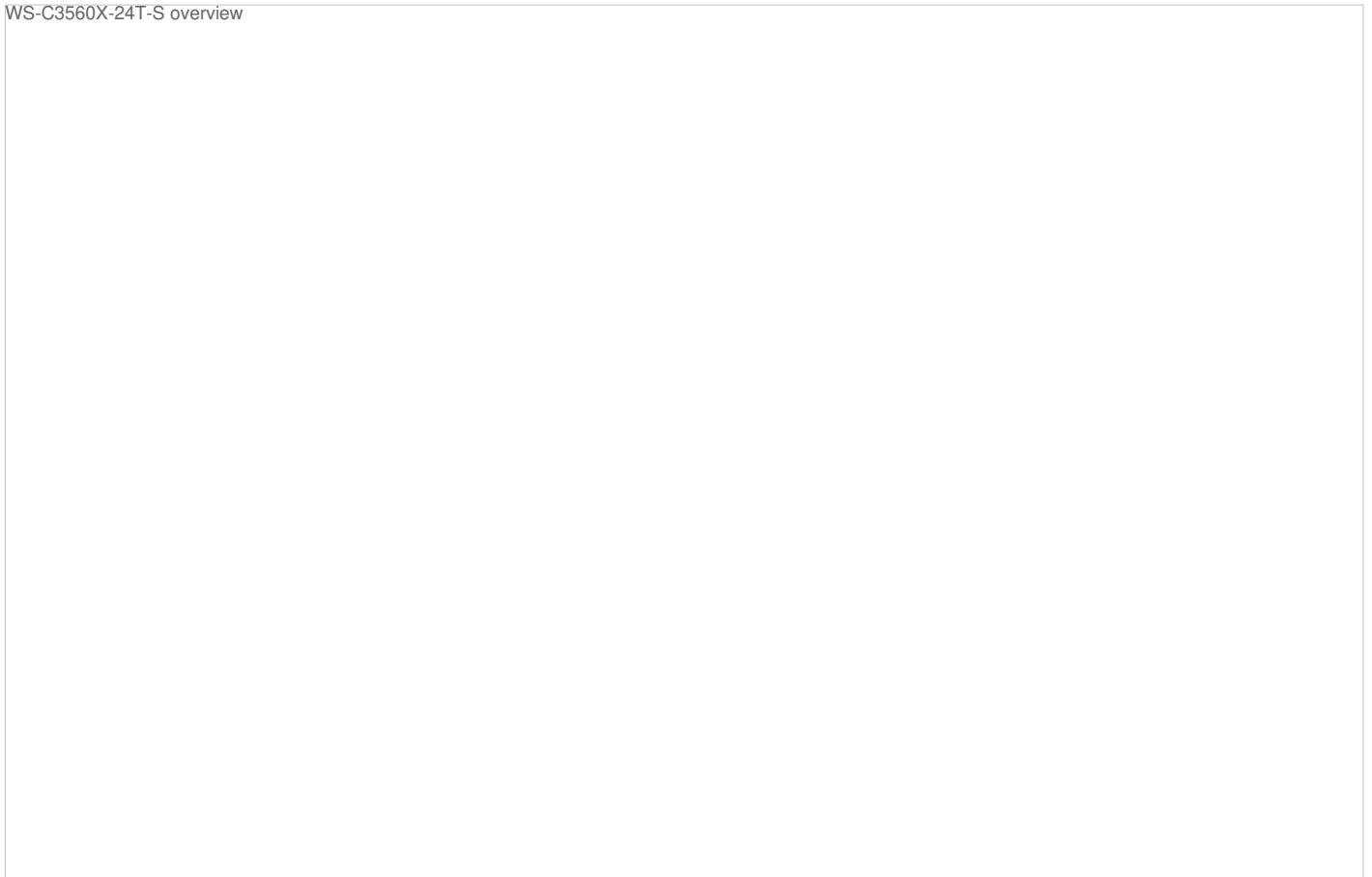
WS-C3560X-24T-S overview

Figure 1

Cisco Catalyst 3560-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

WS-C3560X-24T-S back

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		

Specification

WS-C3560X-24T-S data sheet	
Manufacturer	Cisco Systems, Inc
Manufacturer Part Number	WS-C3560X-24T-S
Product Type	Switch - 24 ports - L3 - Managed
Form Factor	Rack mountable - 1U
Switch Ports	24 x 10/100/1000 Ethernet Ports
Performance	Switching capacity : 160 Gbps
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, 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), 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 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ae
DRAM Memory	256 MB
Flash Memory	64 MB Flash
Status Indicators	Port status, link activity, port transmission speed, port duplex mode, power, system
Connectivity Slots	
Interfaces	24 x 10Base-T/100Base-TX/1000Base-T - RJ-45 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
Expansion Slot(s)	1 (total) / 1 (free) x Expansion Slot
Power Supply	
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 kg
Rack Mounting Kit	Optional
MTBF	208,218 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

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