

Overview

Cisco next generation Catalyst WS-C3850-24XS-S is stackable enterprise level switch and integrated with 24 ports of SFP+ 10G Ethernet fiber connection with Flexible Netflow feature.

Quick Specs

Figure 1 shows the appearance of the Cisco Catalyst WS-C3850-24XS-S.

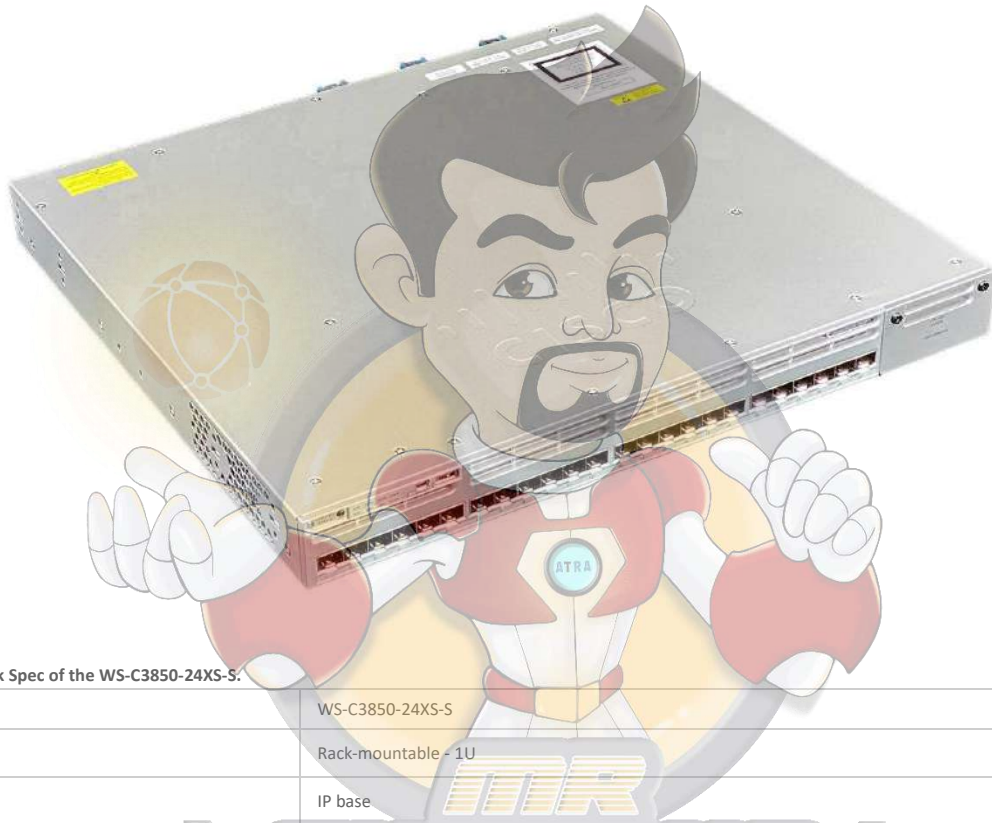


Table 1 shows the Quick Spec of the WS-C3850-24XS-S.

Product Code	WS-C3850-24XS-S
Enclosure Type	Rack-mountable - 1U
Feature Set	IP base
Network SFP uplink module selection	C3850-NM-4-10G C3850-NM-2-40G C3850-NM-8-10G
Downlink Ports	24 × 1/10G SFP+ Optical ports
Maximum stacking number	9
Stack bandwidth	480 Gbps
Forwarding Performance	454.55 Mpps
Switching Capacity	640 Gbps
RAM	4 GB
Flash Memory	4 GB
Dimensions	44.5 cm x 45.0 cm x 4.45 cm
Package Weight	6.1 Kg

Product Details

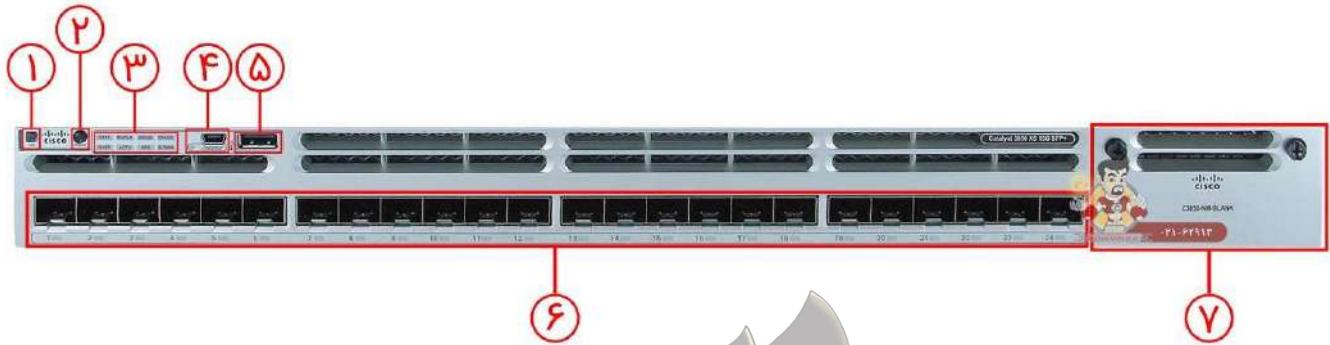


Figure 2 shows the front panel of the Cisco WS-C3850-24XS-S.

(1)	UID (blue beacon)	(5)	USB Type A storage port
(2)	Mode button	(6)	24 ports of SFP+
(3)	Status LEDs	(7)	Network SFP uplink module slot
(4)	USB mini-Type B (console) port		

The status LEDs include STAT (status), DUPLX (duplex), SPEED, STACK, SYST (system), ACTV (active) and S-PWR (Stack Power).

The switch supports one hot-swappable network module that provides uplink ports to connect to other devices. The switch should only be operated with either a network module or a blank module installed.

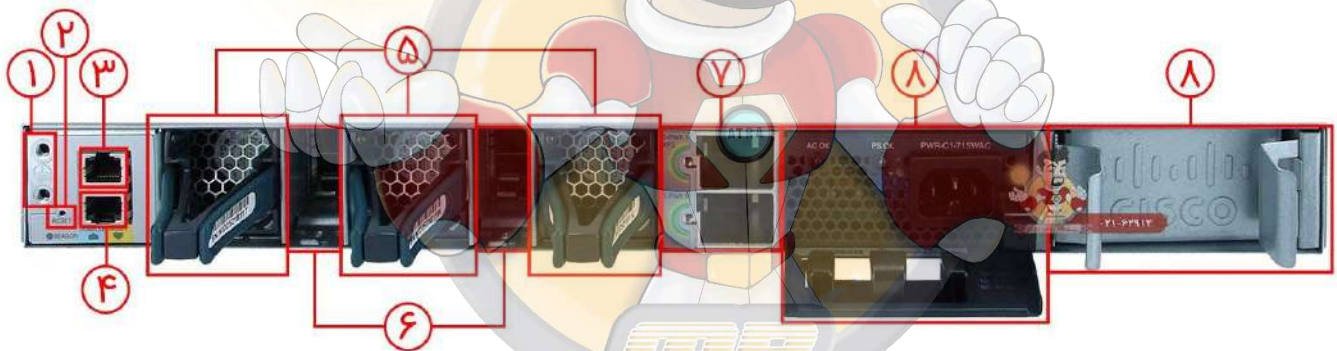


Figure 3 shows the back panel of the Cisco WS-C3850-24XS-S.

(1)	Ground connector	(5)	Fan module
(2)	Reset button	(6)	StackWise port connector
(3)	CONSOLE (RJ-45 console port)	(7)	StackPower connector
(4)	MGMT port	(8)	Power supply modules

Figure 4 shows the StackWise-480 and StackPower connectors.

In order to stacking with LAN base feature set, WS-C3850-24XS-S needs to configure in LAN base mode from CLI.



The Modules, Licenses and Accessories

Table 2 shows some recommended modules, licenses and accessories of this switch.

Models	Description
C3850-NM-4-10G	4 x Gigabit Ethernet/4 x 10 Gigabit Ethernet network module spare
C3850-NM-2-40G	2 x 40 Gigabit Ethernet network module spare
C3850-NM-8-10G=	8 x Gigabit Ethernet/8 x 10 Gigabit Ethernet network module spare
PWR-C1-715WAC=	Cisco 3850 Series Secondary Power Supply 350W AC Config 1 Secondary Power Supply
STACK-T1-50CM=	Cisco StackWise-480 50cm stacking cable spare
STACK-T1-1M=	Cisco StackWise-480 1m stacking cable spare
STACK-T1-3M=	Cisco StackWise-480 3m stacking cable spare



Compare to Similar Items

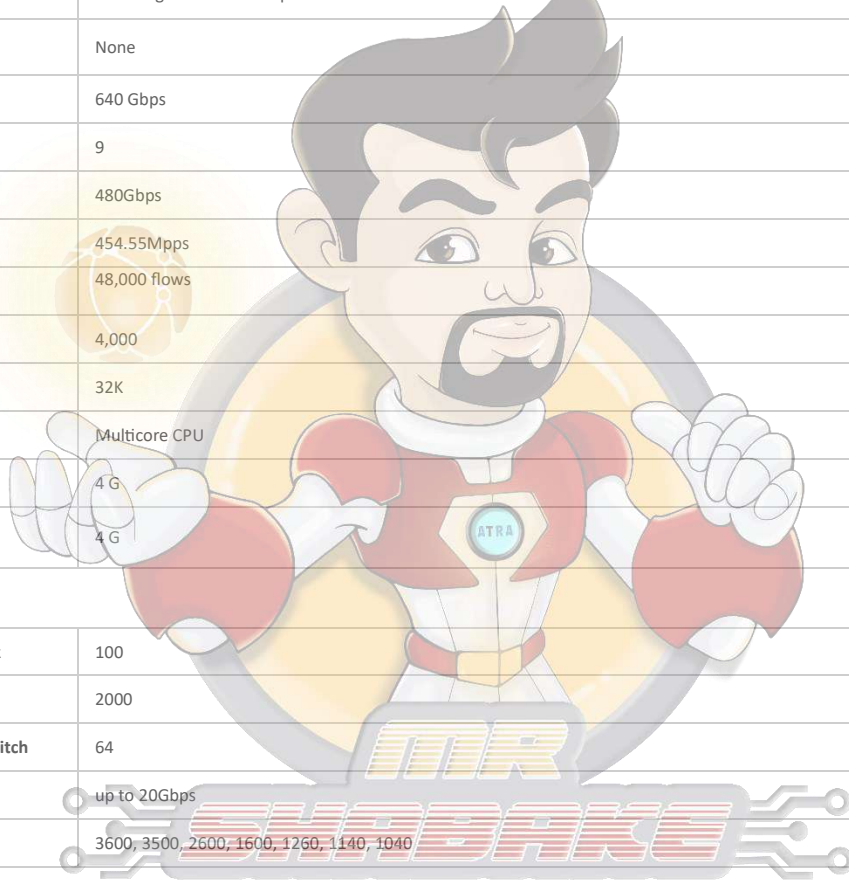
Table 3 shows the comparison of similar items.

Models	WS-C3850-24XS-S	WS-C3850-24S-S
Feature Set	IP Base	IP Service
Ports	24 1/10G ports of SFP+ Ethernet	24 ports of SFP Ethernet
Network SFP uplink module selection	C3850-NM-4-10G C3850-NM-8-10G C3850-NM-2-40G	C3850-NM-4-1G C3850-NM-2-10G
Power Supply	with 715WAC power supply	with 350WAC power supply
Weight	6.1kg	7.03kg
Forwarding Rate	454.55 Mpps	68.4 Mpps

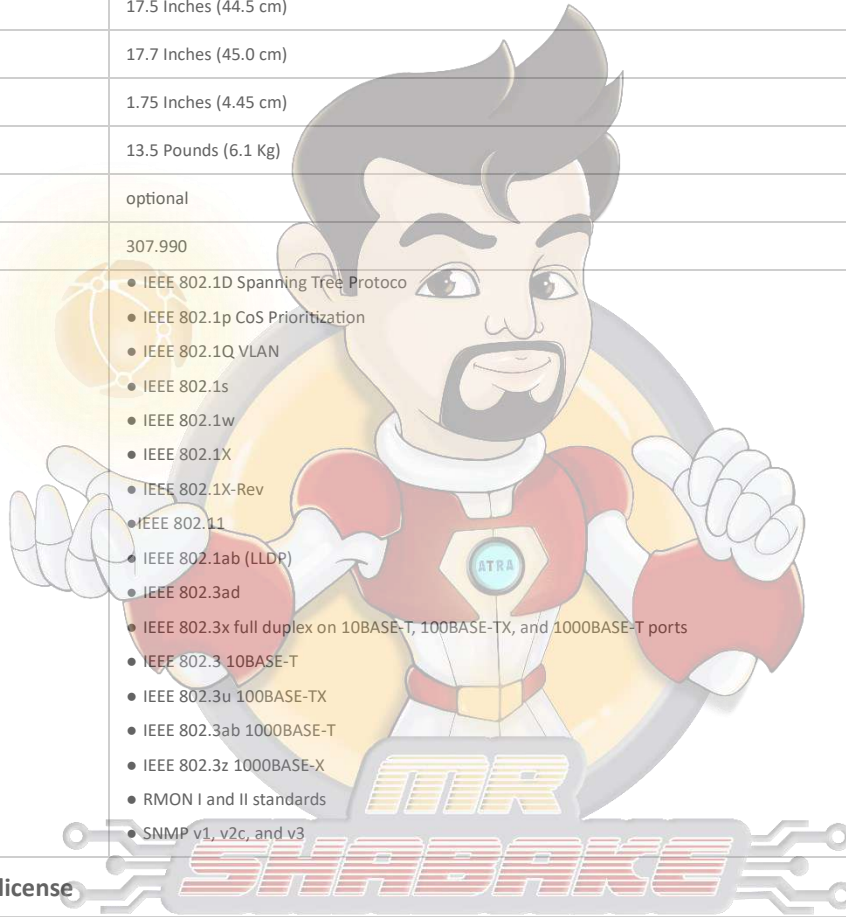
Specification

WS-C3850-24XS-S Specification

WS-C3850-24XS-S Specification	
enclosure type	Rack-mountable - 1U
Ports	24 x SFP+ ports
Network management Interface	<ul style="list-style-type: none"> Ethernet management port: RJ-45 connectors, 4-pair Cat-5 UTP cabling Management console port: RJ-45-to-DB9 cable for PC connections
Available PoE Power	None
Switching Capacity	640 Gbps
Maximum stacking number	9
Stack Bandwidth	480Gbps
Forwarding Performance	454.55Mpps
FNF entries	48,000 flows
Maximum VLANs IDs	4,000
MAC Address Table Size	32K
CPU	Multicore CPU
RAM	4 G
Flash Memory	4 G
Wireless	
Number of AP per switch/stack	100
Number of wireless clients per switch/stack	2000
Total number of WLANs per switch	64
Wireless bandwidth per switch	up to 20Gbps
Supported Aironet AP series	3600, 3500, 2600, 1600, 1260, 1140, 1040
Expansion / Connectivity	
Console ports	USB (Type-B), Ethernet (RJ-45)
Expansion Slot(s)	1 network module slot and 1 power redundant slot
Network Modules Selection	<ul style="list-style-type: none"> C3850-NM-4-10G: 4 x Gigabit Ethernet/4 x 10 Gigabit Ethernet network module C3850-NM-2-40G: 2 x 40 Gigabit Ethernet network module C3850-NM-8-10G: 8 x Gigabit Ethernet/8 x 10 Gigabit Ethernet network module
Stacking cable	<ul style="list-style-type: none"> STACK-T1-50CM StackWise stacking cable with a 0.5 m length STACK-T1-1M StackWise stacking cable with a 1.0 m length STACK-T1-3M StackWise stacking cable with a 3.0 m length
Stack Power Cable (recommended)	<ul style="list-style-type: none"> CAB-SPWR-30CM stack power cable with a 30CM length CAB-SPWR-150CM stack power cable with a 150CM length
Power supply	PWR-C1-715WAC
Power Device	Power supply - redundant - plug-in module

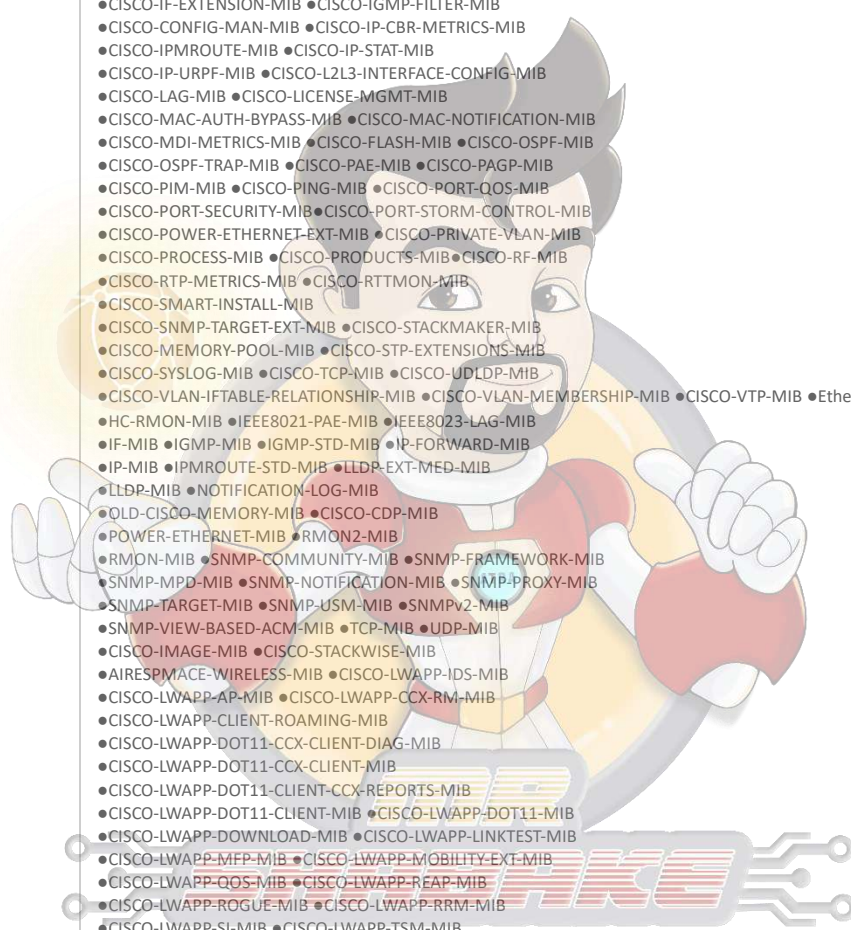


Power Redundancy	optional
Voltage range (Auto)	100V-240V
Power Consumption of standalone(in Watts)	177 (Max)
Miscellaneous	
Width	17.5 Inches (44.5 cm)
Depth	17.7 Inches (45.0 cm)
Height	1.75 Inches (4.45 cm)
Weight	13.5 Pounds (6.1 Kg)
Rack Mounting Kit	optional
MTBF in hours	307.990
Compliant Standards	<ul style="list-style-type: none"> • IEEE 802.1D Spanning Tree Protocol • IEEE 802.1p CoS Prioritization • IEEE 802.1Q VLAN • IEEE 802.1s • IEEE 802.1w • IEEE 802.1X • IEEE 802.1X-Rev • IEEE 802.11 • IEEE 802.1ab (LLDP) • IEEE 802.3ad • IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3z 1000BASE-X • RMON I and II standards • SNMP v1, v2c, and v3
System software / license	
System software	IP Base feature set
EnergyWise license	ENERGY-MGMT, ENERGY-MGT-100-K9
Software license	<ul style="list-style-type: none"> • C3850-24-S-E: Cisco Catalyst 3850 24-port IP Base to IP Services RTU paper license • L-C3850-24-S-E: Cisco Catalyst 3850 24-port IP Base to IP Services RTU electronic license
Access Point Licenses	<ul style="list-style-type: none"> • L-LIC-CT3850-UPG: Primary upgrade license SKU for Cisco 3850 wireless controller (e-delivery) • L-LIC-CTIOS-1A: 1 access point adder license for Cisco IOS Software based wireless controller (e-delivery) • LIC-CT3850-UPG: Primary upgrade license SKU for Cisco 3850 wireless controller (paper license) • LIC-CTIOS-1A: 1 access point adder license for the Cisco IOS Software based wireless controller (paper license)



<p>features</p>	<ul style="list-style-type: none"> ●RPS Support ● Jumbo Frames ● VLANS ●Voice Vlan ●VTPv2 ●CDPv2 ●LLDP ● 802.3ad LACP and PAgP ● PVST/PVST+ ● 802.1W/802.1S ●Port Fast/Uplink Fast ●Dynamic Trunking Protocol (DTP) ● port CoS Trust and Override ● Trusted Boundary ● ACL Classification ●Ingress Policing ● Auto QoS ● Per VLAN policies 802.1p queues ● Scheduling ● Priority Queuing ● Configure CoS Priority Queues ●Configure CoS PriorityQueues ● Configure Queue Weights ● Configure Buffers and Thresholds ●Class & Policy Maps ● Modify CoS and DSCP Mapping ● Weighted Tail Drop ● IGMPv1,v2,v3 and MLDv1, v2 ● DHCP server ● DSCP transparency HSRP, VRRP, BGP ● RIPv1, v2 EIGRP, PIM OSPF, OSPFv3, EIGRPv6, BGPv4, IS-ISv4 ● VRF-lite ● PIM-SM/DM, PIM sparse-dense mode, SSM ● Flexible Netflow
<p>Advanced Network security</p>	<ul style="list-style-type: none"> Port security ● DHCP snooping ●Dynamic ARP inspection (DAI) ● IP source guard ●The Unicast Reverse PathForwarding (uRPF) Bidirectional data support on a SPAN ● User authentication Private VLAN ●Router and VLAN ACLs ● complete identity and security Multidomain authentication ● MAC address notification IGMP filtering ● Cisco security VLAN ACL Secure Shell (SSH) Protocol, Kerberos, and Simple Network Management Protocol Version 3 (SNMPv3) Port-based ACLs ● TrustSec SXP ● IEEE 802.1ae TACACS+ and RADIUS authentication ● Cisco standard and extended IP security router ACLs Bridge protocol data unit (BPDU) Guard Spanning Tree Root Guard (STRG) ● Wireless end-to-end security

<p>Management</p>	<ul style="list-style-type: none"> ●BRIDGE-MIB ●CISCO-AUTH-FRAMEWORK-MIB ●CISCO-BGP4-MIB, BGP4-MIB ●CISCO-BRIDGE-EXT-MIB ●CISCO-BULK-FILE-MIB ●CISCO-CABLE-DIAG-MIB ●CISCO-CALLHOME-MIB ●CISCO-CEF-MIB ●CISCO-CIRCUIT-INTERFACE-MIB ●CISCO-ENTITY-VENDORTYPE-OID-MIB ●CISCO-CONTEXT-MAPPING-MIB ●CISCO-DEVICE-LOCATION-MIB ●CISCO-DHCP-SNOOPING-MIB ●CISCO-EIGRP-MIB ●CISCO-EMBEDDED-EVENT-MGR-MIB ●CISCO-ENTITY-FRU-CONTROL-MIB ●CISCO-ENTITY-SENSOR-MIB ●ENTITY-MIB ●CISCO-ERR-DISABLE-MIB ●CISCO-CONFIG-COPY-MIB ●CISCO-FLOW-MONITOR-MIB ●CISCO-FTP-CLIENT-MIB ●CISCO-HSRP-EXT-MIB ●CISCO-HSRP-MIB ●CISCO-IETF-ISIS-MIB ●CISCO-IF-EXTENSION-MIB ●CISCO-IGMP-FILTER-MIB ●CISCO-CONFIG-MAN-MIB ●CISCO-IP-CBR-METRICS-MIB ●CISCO-IPMROUTE-MIB ●CISCO-IP-STAT-MIB ●CISCO-IP-URPF-MIB ●CISCO-L2L3-INTERFACE-CONFIG-MIB ●CISCO-LAG-MIB ●CISCO-LICENSE-MGMT-MIB ●CISCO-MAC-AUTH-BYPASS-MIB ●CISCO-MAC-NOTIFICATION-MIB ●CISCO-MDI-METRICS-MIB ●CISCO-FLASH-MIB ●CISCO-OSPF-MIB ●CISCO-OSPF-TRAP-MIB ●CISCO-PAE-MIB ●CISCO-PAGP-MIB ●CISCO-PIM-MIB ●CISCO-PING-MIB ●CISCO-PORT-QOS-MIB ●CISCO-PORT-SECURITY-MIB ●CISCO-PORT-STORM-CONTROL-MIB ●CISCO-POWER-ETHERNET-EXT-MIB ●CISCO-PRIVATE-VLAN-MIB ●CISCO-PROCESS-MIB ●CISCO-PRODUCTS-MIB ●CISCO-RF-MIB ●CISCO-RTP-METRICS-MIB ●CISCO-RTTMON-MIB ●CISCO-SMART-INSTALL-MIB ●CISCO-SNMP-TARGET-EXT-MIB ●CISCO-STACKMAKER-MIB ●CISCO-MEMORY-POOL-MIB ●CISCO-STP-EXTENSIONS-MIB ●CISCO-SYSLOG-MIB ●CISCO-TCP-MIB ●CISCO-UDLD-MIB ●CISCO-VLAN-IPTABLE-RELATIONSHIP-MIB ●CISCO-VLAN-MEMBERSHIP-MIB ●CISCO-VTP-MIB ●EtherLikeMIB ●HC-RMON-MIB ●IEEE8021-PAE-MIB ●IEEE8023-LAG-MIB ●IF-MIB ●IGMP-MIB ●IGMP-STD-MIB ●IP-FORWARD-MIB ●IP-MIB ●IPMROUTE-STD-MIB ●LLDP-EXT-MED-MIB ●LLDP-MIB ●NOTIFICATION-LOG-MIB ●OLD-CISCO-MEMORY-MIB ●CISCO-CDP-MIB ●POWER-ETHERNET-MIB ●RMON2-MIB ●RMON-MIB ●SNMP-COMMUNITY-MIB ●SNMP-FRAMEWORK-MIB ●SNMP-MPD-MIB ●SNMP-NOTIFICATION-MIB ●SNMP-PROXY-MIB ●SNMP-TARGET-MIB ●SNMP-USM-MIB ●SNMPv2-MIB ●SNMP-VIEW-BASED-ACM-MIB ●TCP-MIB ●UDP-MIB ●CISCO-IMAGE-MIB ●CISCO-STACKWISE-MIB ●AIRESMANAGE-WIRELESS-MIB ●CISCO-LWAPP-IDS-MIB ●CISCO-LWAPP-AP-MIB ●CISCO-LWAPP-CCX-RM-MIB ●CISCO-LWAPP-CLIENT-ROAMING-MIB ●CISCO-LWAPP-DOT11-CCX-CLIENT-DIAG-MIB ●CISCO-LWAPP-DOT11-CCX-CLIENT-MIB ●CISCO-LWAPP-DOT11-CLIENT-CCX-REPORTS-MIB ●CISCO-LWAPP-DOT11-CLIENT-MIB ●CISCO-LWAPP-DOT11-MIB ●CISCO-LWAPP-DOWNLOAD-MIB ●CISCO-LWAPP-LINKTEST-MIB ●CISCO-LWAPP-MFP-MIB ●CISCO-LWAPP-MOBILITY-EXT-MIB ●CISCO-LWAPP-QOS-MIB ●CISCO-LWAPP-REAP-MIB ●CISCO-LWAPP-ROGUE-MIB ●CISCO-LWAPP-RRM-MIB ●CISCO-LWAPP-SI-MIB ●CISCO-LWAPP-TSM-MIB ●CISCO-LWAPP-WLAN-MIB ●CISCO-LWAPP-WLAN-SECURITY-MIB
<p>Technical Support and Services</p>	<p>● Cisco SMARTnet Service ● Cisco Smart Foundation Service ● Cisco SP Base Service ● Cisco Focused Technical Support Services</p>
<p>Environmental Ranges</p>	
<p>With AC power supply Operating environment and altitude</p>	
<p>Operating temperature up to 5000 ft (1500 m)</p>	<p>23°F to 113°F (-5°C to +45°C)</p>
<p>Operating temperature up to 10,000 ft (3000 m)</p>	<p>23°F to 104°F (-5°C to +40°C)</p>
<p>Short-term exception at sealevel with single fan failure</p>	<p>23°F to 113°F (-5°C to +45°C)</p>



Short-term exception up to 5000 feet (1500 m)	23°F to 122°F (-5°C to 50°C)
Short-term exception up to 10,000 feet (3000 m)	23°F to 113°F (-5°C to 45°C)
With DC power supply Operating environment and altitude (NEBS)	
Operating temperature up to 6000 ft (1800 m)	23°F to 113°F (-5°C to +45°C)
Operating temperature up to 10,000 ft (3000 m)	23°F to 104°F (-5°C to +40°C)
Operating temperature up to 13,000 ft (4000m)	23°F to 95°F (-5°C to 35°C)
Short-term exception up to 6,000 feet (1800 m)	23°F to 131°F (-5°C to +55°C)
Short-term exception up to 10,000 feet (3000 m)	23°F to 122°F (-5°C to +50°C)
Short-term exception up to 13,000 feet (4000 m)	23°F to 113°F (-5°C to +45°C)
Short-term exception at sealevel with single fan failure	23°F to 113°F (-5°C to +45°C)
Storage environment	-40°F to 160°F (-40°C to 70°C)
Operating altitude	Up to 13,000 Feet (Up to 4000 Meters)
Storage altitude	Up to 15,000 Feet (Up to 4573 Meters)
Operating relative humidity	10% to 95% noncondensing
Storage relative humidity	10% to 95% noncondensing

شما میتوانید کلیه تجهیزات شبکه را با گارانتی و ضمانت اصالت کالا از فروشگاه اینترنتی [میترا شبکه](#) تهیه کنید.

مقالات مرتبط :

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- [سوئیچ سیسکو در دیتاستر](#)
- [ریکاواری پسورد سوئیچ 3850 و 2960](#)
- [قابلیت Stack در سوئیچ سیسکو 3850](#)
- [ماژول های سازگار با سوئیچ های 3850](#)
- [معرفی پورت SFP و کاربرد آن](#)
- [پورت Uplink و تفاوت آن با پورت معمول](#)
- [راهنمای خرید سوئیچ سیسکو 3850](#)