WS-C4500X-F-16SFP+ Datasheet

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Overview

WS-C4500X-F-16SFP+ is one of the Catalyst 4500-X series switches. The Catalyst 4500-X series switch is a fixed aggregation switch that delivers best-in-class scalability, simplified network virtualization, and integrated network services for space-constrained environments in campus networks.

Quick Specs

Figure 1 shows the appearance of WS-C4500X-F-16SFP+.



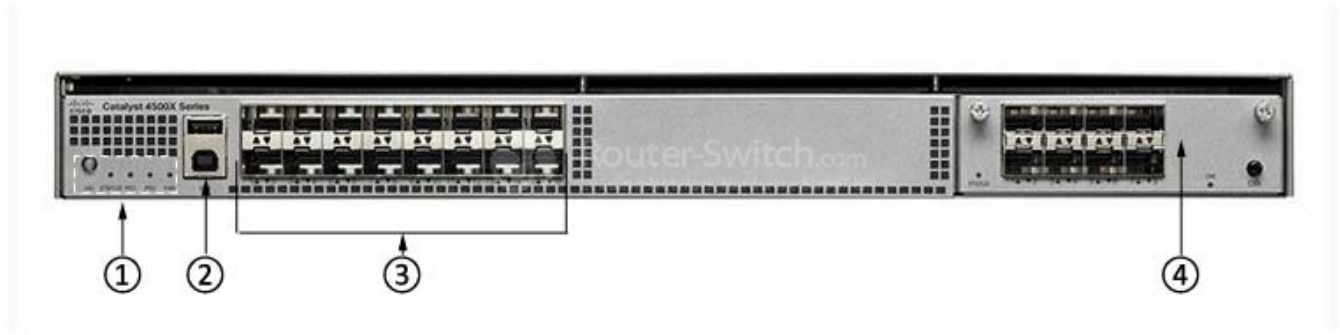
Table 1 shows the Quick Specs.

Product Code	WS-C4500X-F-16SFP+
Switch type	Managed
SFP+ module slots quantity	16
Compatible memory cards	SD
10G support	Yes
Networking standards	IEEE 802.1D,IEEE 802.1p,IEEE 802.1Q,IEEE 802.1s,IEEE 802.1w,IEEE 802.1x,IEEE 802.3,IEEE 802.3ad,IEEE 802.3ae
Switching capacity	800 Gbit/s
Physical stacking (units)	2
Ventilation fan(s)	5
Internal memory	4096 MB
Packet buffer memory	32 MB
Mean time between failures (MTBF)	209330 h
Power consumption (typical)	330 W
ports	16 1G or 10G Ethernet ports (requires either SFP or SFP+ transceivers)
airflow	Back-to-front airflow (fan assemblies and the power supplies are color coded blue)

Number of power supply units	2
Chassis dimensions(H x W x D)	1.75 x 17.25 x 21 in. (4.4 x 43.8 x 53.3 cm)
Chassis weight	19 lb (8.62 kg) (without power supplies) 21 lb (9.53 kg) (with one power supply installed) 23 lb (10.43 kg) (with two power supplies installed)

Product Details

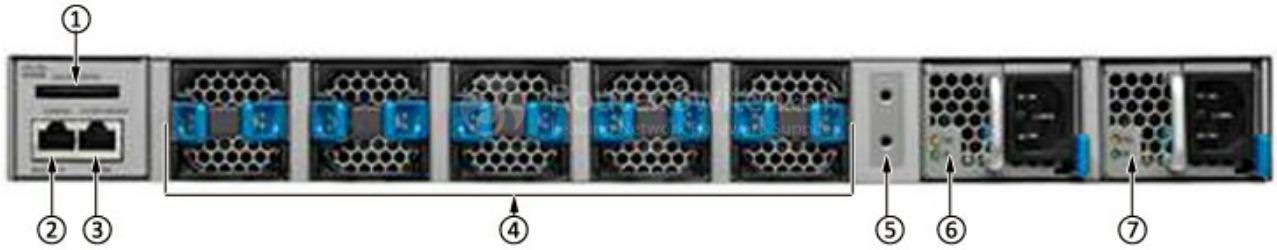
Figure 2 shows the front panel of WS-C4500X-F-16SFP+.



Note:

(1)	LEDs Area
(2)	USB ports (2 ports) Top port is a Type A connector; bottom port is a Type B connector
(3)	16 × Ethernet ports
(4)	8-port uplink module slot (Purchased alone)

Figure 3 shows the back panel of WS-C4500X-F-16SFP+.



Note:

(1)	SECURE DIGITAL port	(2)	CONSOLE port
(3)	10/100/1000 MGT port	(4)	Fan assemblies (5 assemblies)
(5)	Chassis ground pad	(6)	Power supply bay (AC-input power supply shown installed)

(7)	Power supply bay (AC-input power supply shown installed)	

The Accessories

Table 2 shows the recommended elements for the WS-C4500X-F-16SFP+.

Category	Model	Description
AC Power Supplies	C4KX-PWR-750AC-R/2	Catalyst 4500X 750W AC front to back cooling 2nd PWR supply
	C4KX-PWR-750AC-R	Catalyst 4500X 750W AC front to back cooling power supply
CARD	C4KX-NM-8SFP+	Catalyst 4500X 8 Port 10G Network Module
CONSOLE CABLES	CAB-CONSOLE-RJ45	Console Cable 6ft with RJ45 and DB9F
1G SFP	GLC-SX-MMD	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
	GLC-BX-U	1000BASE-BX SFP, 1310NM
10G SFP	SFP-10G-SR	10GBASE-SR SFP Module
	SFP-H10GB-CU1M	10GBASE-CU SFP+ Cable 1 Meter

Compare to Similar Items

Table 3 shows the comparison of WS-C4500X-F-16SFP+ and WS-C4500X-24X-ES.

Product Code	WS-C4500X-F-16SFP+	WS-C4500X-24X-ES
Switching capacity	800 Gbit/s	800 Gbit/s
Internal memory	4096 MB	2000 MB
Packet buffer memory	32 MB	32 MB
Mean time between failures (MTBF)	209330 h	209330 h
Power consumption (typical)	330 W	750 W
ports	16 1G or 10G Ethernet ports (requires either SFP or SFP+ transceivers)	16 1G or 10G Ethernet ports (requires either SFP or SFP+ transceivers)
airflow	Back-to-front airflow (fan assemblies and the power supplies are color coded blue)	Front-to-back airflow (fan assemblies and the power supplies are color coded burgundy)

Get more information

Do you have any question about the WS-C4500X-F-16SFP+?

Contact us now via **Live Chat** or **sales@router-switch.com**.

Specification

WS-C4500X-F-16SFP+ Specification	
Capacity	
Type	Virtual interfaces (VLANs)
Value	4094
Environmental Parameters	

WS-C4500X-F-16SFP+ Specification	
Min Operating Temperature	32 °F
Max Operating Temperature	104 °F
Min Storage Temperature	-40 °F
Max Storage Temperature	158 °F
Flash Memory	
Max Supported Size	2 GB
Header	
Compatibility	PC
Manufacturer	Cisco Systems
Packaged Quantity	1
Product Line	Cisco Catalyst
Model	4500-X
Brand	Cisco
Interface Provided	
Interface	Ethernet 10Base-T/100Base-TX/1000Base-T
Qty	1
Connector Type	Type A
Comments	Management
Type	USB
Miscellaneous	
Compliant Standards	AS/NZS, AS/NZS 60950-1, BSMI CNS 13438 Class A, CISPR 22 Class A, CISPR 24, CSA C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, EN 61000-3-2, EN 61000-3-3, EN300-386, EN55022 Class A, EN55024, FCC CFR47 Part 15, ICES-003 Class A, IEC 60950-1 Second Edition, RoHS, UL 60950-1, VCCI Class A ITE
MTBF	209,330 hours
Networking	
Type	Switch
Data Link Protocol	Gigabit Ethernet
Remote Management Protocol	RMON 1, RMON 2
Compliant Standards	IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ad (LACP), IEEE 802.3ae

WS-C4500X-F-16SFP+ Specification	
Ports Qty	16
Features	Access Control List (ACL) support, Back to front airflow, Layer 2 switching, Quality of Service (QoS), Redundant hot swappable fans, VLAN support
MAC Address Table Size	55K entries
Subcategory	Network hubs and switches
Form Factor	Rack-mountable
Jumbo Frame Support	9216 bytes
Subtype	10 Gigabit Ethernet
Performance	
Type	Throughput
Value	800 Gbps
Ports	
Qty	16
Type	10 Gigabit SFP+
Power Device	
Installed Qty	1
Max Supported Qty	2
Power Consumption Operational	330 Watt
Power Redundancy	Optional
Power Redundancy Scheme	1+1 (with optional power supply)
Type	Internal power supply
Hot-Plug	Hot-plug
Processor	
Clock Speed	1.5 GHz
RAM	
Installed Size	4 GB
Technology	DDR2 SDRAM
Service	
Support Details Type	Limited warranty

WS-C4500X-F-16SFP+ Specification	
Support Details Service Included	Advance parts replacement
Support Details Full Contract Period	Lifetime
Service & Support	
Type	Limited lifetime warranty
Service & Support Details	
Response Time	10 days
Slot Provided	
Type	SD Memory Card
Total Qty	1
Free Qty	1
Software	
Type	Cisco IOS IP Base

Download Resource

Selection Decision

Cisco’s New Switch Selection Decision 2018

Support and Resources

Cisco Catalyst 4500-x Series Fixed 10 Gigabit Ethernet Aggregation Switch Data Sheet

Transition Guide

Guide to Upgrade Cisco Access and Backbone Switch

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