WS-C6509-E Datasheet

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Overview

The 9-slot Cisco Catalyst 6509-E Switch provides high port densities that are ideal for many wiring closet, distribution, and core network as well as data center deployments with exceptional functionality and flexibility. Supervisor engine redundancy and power redundancy supporting deliver the low latency and high scalability network experience to ensure superior reliability for edging or core network. Any two Cisco Catalyst 6500E series Switches with Supervisor Engine 720-3C/720-3CXL/S2T-10G/S2T-10G-XL can be pooled together into a VSS.

Quick Specs

Figure 1 shows the appearance of the WS-C6509-E with modules. These modules must be purchased separately.

Table 1 shows the Quick Spec of 6509-E.

Product Code	WS-C6506-E

Number of Slots	9
Supervisor Compatibility	Cisco Catalyst 6500 Series Supervisor Engine 32 Cisco Catalyst 6500 Series Supervisor Engine 720-3B Cisco Catalyst 6500 Series Supervisor Engine 720-3BXL Cisco Catalyst 6500 Series Supervisor Engine 720-10G-3C Cisco Catalyst 6500 Series Supervisor Engine 720-10G-3CXL Cisco Catalyst 6500 Series Supervisor Engine 2T
Power Supply Compatibility * Indicates EoS Power Supply	AC: 2500W*, 3000W, 4000W, 6000W, 8700W DC: 2500W, 4000W, 6000W
Module Compatibility	All modules based on the software release in the system
With Supervisor Engine 32	12.2(18)SXF
With Supervisor Engine 720	12.2(14)SX
With Supervisor Engine 720-10 GE	12.2(33)SXH
With Supervisor Engine 2T-10 GE	15.0(1)SY
Reliability and Availability Calculated Mean Time Between Failure (MTBF)	348,935
Dimension	24.5 x 17.5 x 18.2 (62.2 x 44.5 x 46.0 cm)
Rack Units (RU)	14
Weight	Chassis Only (lbs): 60 Fully Configured (lbs): 190

The Accessories

Table 2 shows some accessories of the WS-C6509-E.

Models	Description
WS-SUP720-3BXL	Catalyst 6500/Cisco 7600 WS-SUP720-3BXL Catalyst Supervisor 720 Fabric MSFC3 PFC3BXL
WS-X6716-10G-3C	Catalyst 6500 16 port 10 Gigabit Ethernet w/ DFC3C (req X2)
WS-X6708-10G-3CXL	C6K 8 port 10 Gigabit Ethernet module with DFC3CXL (req. X2)
VS-S2T-10G	Cisco 6500 Supervisor 2T VS-S2T-10G Catalyst 6500 Supervisor 2T - 2 ports 10GbE X2 - 2 ports SFP - MSFC5 PFC4
VS-S2T-10G-XL	Cisco 6500 Supervisor 2T VS-S2T-10G-XL Catalyst 6500 Supervisor 2T 80G System XL
WS-F6700-DFC3B	Catalyst 6500 Dist Fwd Card, 256K Routes for WS-X67xx
SPA-IPSEC-2G	Cisco 7600 / Catalyst 6500 IPSec VPN SPA - DES/3DES/AES
WS-SVC-NAM-1-250S	Cisco Catalyst 6500 and Cisco 7600 Network Analysis Module
SPA-2XOC3-POS	2-port OC3/STM1 POS Shared Port Adapters
SPA-10X1GE	10-port Gigabit Ethernet Shared Port Adapter

Compare to Similar Items

Table 3 shows the comparison of similar items.

Models	WS-C6509-E	WS-C6506-E
Type	Catalyst 6509-E Chassis	Catalyst 6506-E Chassis

Slots	9	6
Supervisor Compatibility	Cisco Catalyst 6500 Series Supervisor Engine 32 Cisco Catalyst 6500 Series Supervisor Engine 720-3B Cisco Catalyst 6500 Series Supervisor Engine 720-3BXL Cisco Catalyst 6500 Series Supervisor Engine 720-10G-3C Cisco Catalyst 6500 Series Supervisor Engine 720-10G-3CXL Cisco Catalyst 6500 Series Supervisor Engine 2T	

Get more information

Do you have any question about the WS-C6509-E?

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

Specification

WS-C6509-E Specification	
Number of Slots	9
Supervisor Compatibility	Cisco Catalyst 6500 Series Supervisor Engine 32 Cisco Catalyst 6500 Series Supervisor Engine 720-3B Cisco Catalyst 6500 Series Supervisor Engine 720-3BXL Cisco Catalyst 6500 Series Supervisor Engine 720-10G-3C Cisco Catalyst 6500 Series Supervisor Engine 720-10G-3CXL Cisco Catalyst 6500 Series Supervisor Engine 2T
Power Supply Compatibility *** Indicates EoS Power Supply**	AC: 2500W*, 3000W, 4000W, 6000W, 8700W DC: 2500W, 4000W, 6000W
Module Compatibility	All modules based on the software release in the system
With Supervisor Engine 32	● 12.2(18)SXF
With Supervisor Engine 720	● 12.2(14)SX
With Supervisor Engine 720-10 GE	● 12.2(33)SXH
With Supervisor Engine 2T-10 GE	● 15.0(1)SY
Reliability and Availability Calculated Mean Time Between Failure (MTBF)	348,935
Inches	24.5 x 17.5 x 18.2
Centimeters	62.2 x 44.5 x 46.0
Rack Units (RU)	14
Chassis Only (lbs)	60
Fully Configured (lbs)	190
Input Voltage	100 to 240 VAC -48 to -60 VDC
Safety	UL 60950 Second Edition CAN/CSA-C22.2 No. 60950 Second Edition EN 60950 Second Edition IEC 60950 Second Edition AS/NZS 60950

| EMC | FCC Part 15 (CFR 47) Class A
VCCI Class A
EN55022 Class A
CISPR 22 Class A
CE marking
AS/NZS 3548 Class A
ETS300 386
EN55024
EN61000-6-1
EN50082-1 |
|---|---|
| NEBS/ETSI | GR-1089-Core NEBS Level 3
ETS 300 019 Storage Class 1.1
ETS 300 019 Transportation Class 2.3
ETS 300 019 Stationary Use Class 3.1 |
| ATIS Pb free and Energy Efficiency | ATIS-0600020.2010 Pb Free circuit packs
ATIS-0600015-2009 General Energy Efficiency Requirements (TEER)
ATIS-0600015.03-2009 Switch and Router Energy Efficiency
ATIS-0600015.01-2009 Server Energy Efficiency
VZ.TPR.9205 Verizon Energy Efficiency Requirements for Telecommunication Equipment (TEEER) |
| Operating Temperature | 32°F to 104°F (0 to 40°C) |
| Storage Temperature | -4 to 149°F (-20 to 65°C) |
| Thermal Transition | 0.5°C per minute (hot to cold)
0. 33°C per minute (cold to hot) |
| Relative Humidity | Ambient (noncondensing) operating: 5% to 90%
Ambient (noncondensing) nonoperating and storage: 5% to 95% |
| Operating Altitude | Certified for operation: 0 to 6500 ft (0 to 2000 m)
Designed and tested for operation: -200 to 10,000 ft (-60 to 3000 m) |

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