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Overview

The 6-slot Cisco Catalyst 6506-E Switch provides intermediate port densities, ideal for many wiring closet and core network deployments with exceptional functionality and flexibility. 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. The chassis offers superior investment protection by supporting all the Cisco Catalyst 6500 Supervisor Engines and associated LAN, WAN, and services modules.

Quick Specs

Figure 1 shows the appearance of the WS-C6506-E with modules. These modules must be purchased separately.



Table 1 shows the Quick Spec of 6506-E.

Product Code	WS-C6506-E
Number of Slots	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
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)	441,418
Dimension	7 x 17.37 x 21.75 in (48.8 x 44.5 x 46.0 cm)
Rack Units (RU)	11
Weight	Chassis Only (lbs): 50 Fully Configured (lbs): 159

The Accessories

Table 2 shows some accessories of the WS-C6506-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
WS-C6506-E-FAN	Catalyst 6506-E Chassis Fan Tray

Get more information

Do you have any question about the WS-C6506-E?

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Specification

WS-6506-E Specification

Number of Slots	6
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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)	441,418
Inches	19.2 x 17.5 x 18
Centimeters	48.8 x 44.5 x 46.0
Rack Units (RU)	11
Chassis Only (lbs)	50
Fully Configured (lbs)	159
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) 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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