WS-C6513-E Datasheet

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Overview

The 13-slot Cisco Catalyst 6513-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, the Chassis delivers up to 180 Gbps per-slot bandwidth and will be capable of delivering up to 8 Tbps of system bandwidth.

● Support all Cisco Catalyst 6500 series Supervisor Engine

● 13 slots with slot 7 and 8 support supervisor engine

● Power redundancy and Supervisor Engine redundancy supporting

● Up to 720Gbps system bandwidth with Supervisor engine 720

● Up to 2 Terabit system bandwidth with supervisor engine 2T

● Up to 1.4Tbps system bandwidth in VSS with Supervisor engine 720

● Up to 4Tbps system bandwidth in VSS with supervisor engine 2T

Quick Specs
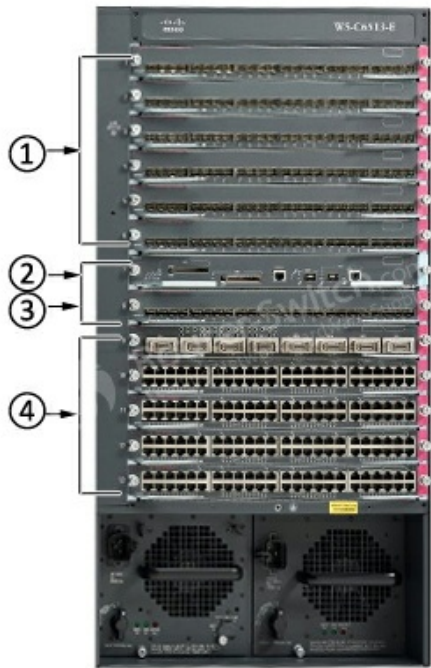
Figure 1 shows the appearance of WS-C6513-E.

Table 1 shows the Quick Specs.

Product Code	WS-C6513-E
Release Date:	11-AUG-2010
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).
Power Supply Compatibility:	AC: 3000W, 4000W, 6000W, 8700W; DC: 2500W, 4000W, 6000W
Operating Temperature :	32 F to 104 F (0 to 40 C)
Storage Temperature:	-4 to 149 F (-20 to 65 C)
MTBF:	311,778 hours

Maximum forwarding performance (IPv4):	720 Mpps
Slots:	13
Max 1 GE ports:	534
Relative Humidity:	Ambient (noncondensing) - Operating: 5% to 90%; Nonoperating and storage: 5% to 95%
Weight (fully configured):	280 lbs (127 kg)
Weight (chassis):	102 lbs (46.3 kg)
Max 10 GE ports:	180
Max 10-100-1000 ports:	529
Input Voltage:	100 to 240 VAC; -48 to -60 VDC
Max 40 GE ports:	44
Rack Units:	19
Thermal Transition:	0.5 C per minute (hot to cold); 0.33 C per minute (cold to hot)
Ports:	8

Product Details

Figure 2 shows a front view of the Catalyst 6513-E switch chassis.

Note:

(1)	Switching modules
(2)	Supervisor engines
(3)	Redundant supervisor engines
(4)	Switching modules

The Modules, Cards, Licenses

Table 2 shows the recommended elements for the WS-C6513-E.

Category	Model	Description
Cards and Modules	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
Power	WS-CAC-3000W	Cisco WS-CAC-3000W Catalyst 6500 3000W AC power supply
	WS-CAC-4000W-INT	Cisco WS-CAC-4000W-INT Catalyst 6500 4000W AC PowerSupply, International (cable included)
Fan Tray	WS-C6513-E-FAN	Catalyst 6513-E Fan Tray

Compare to Similar Items

Table 3 shows the comparison of WS-C6509-V-E and WS-C6513-E.

Product Code	WS-C6513-E	WS-C6509-V-E
Product Description	Cisco Catalyst switch Enh C6513 Chassis, 13slot, 19RU, No Pow Supply, No Fan Tray	Catalyst 6500 Enhanced 9-slot Chassis (Vertical), No PS, Fan

Get More Information

Do you have any question about the Cisco WS-C6513-E?

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

Specification

WS-C6513-E Specification	
Number of Slots	13
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: 3000W, 4000W, 6000W, 8700W DC: 2500W, 4000W, 6000W
Module Compatibility	All modules based on the software release in the system
Software Compatibility (Minimum Software Version)	
With Supervisor Engine 32	● 12.2(33)SXI1 ● 12.2(33)SXH2 ● 12.2(18)SXF14
With Supervisor Engine 720	● 12.2(33)SXI1 ● 12.2(33)SXH2 ● 12.2(18)SXF14
With Supervisor Engine 720-10 GE	● 12.2(33)SXI1 ● 12.2(33)SXH2
With Supervisor Engine 2T-10 GE	● 15.0(1)SY

Reliability and Availability Calculated Mean Time Between Failure (MTBF)	311,778
MIBS	Check the corresponding supervisor engine data sheet
Network Management	Check the corresponding supervisor engine data sheet
Physical Dimensions	
Inches	32.7 x 17.3 x 18.1
Centimeters	83.0 x 43.9 x 46
Rack Units (RU)	19
Weight	
Chassis Only (lbs)	102
Fully Configured (lbs)	280
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 Environment	
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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