

Cisco Catalyst 6513-E Chassis

Product Overview

Cisco® introduces The Cisco Catalyst® 6513 Enhanced Chassis is part of the Cisco Catalyst 6500 Series of enhanced (E-Series) switches, delivering up to 2 Terabits per second of system bandwidth capacity (80 Gbps/slot), and a rear serviceable fan tray for enhanced cable management. The 13-slot Cisco Catalyst 6513-E Switch provides high port densities that are ideal for many wiring closet, distribution, and core areas of the network as well as data center deployments.

The Cisco Catalyst 6500 E-Series chassis provides superior investment protection by supporting multiple generations of products in the same chassis, lowering the total cost of ownership. The Cisco Catalyst 6513-E chassis (Figure 1) supports both the Cisco Catalyst 6500 Supervisor Engine 32 and the Cisco Catalyst 6500 Series Supervisor Engine 720 family of supervisor engines and associated LAN, WAN, and services modules.

Figure 1. Cisco Catalyst 6513-E Chassis



Applications

The versatile Cisco Catalyst 6513-E chassis is ideal for addressing high-performance, high port density Fast Ethernet and Gigabit Ethernet aggregation in all parts of the network, including the access, distribution, and backbone layers as well as the data center and carrier environments. The 13-slot chassis offers industry-leading 10/100/1000 Gigabit Ethernet and 10 Gigabit Ethernet port densities while providing high levels of network resilience.

Features and Benefits

Table 1 lists the Cisco Catalyst 6513-E chassis features and benefits.

Table 1. Features and Benefits

Feature	Benefit
Scalability	
13-Slot Modular Chassis	Allows flexibility and room for future growth
2 Terabits per second of System Bandwidth Capacity and 80 Gbps/Slot for all 13 slots	Scales the system capacity for future needs
High System Power Capacity	Scales to high-density 10 Gigabit Ethernet and 1G configurations as well as PoE/PoE+ of today and tomorrow
Increased Resiliency	
Standby Fabric Hot Sync	Decreases the supervisor engine switchover time of Supervisor Engine 720-based systems to 50 ms
Redundant Control Channel	Increases resiliency to protect against backplane control channel failures
Redundant Supervisor Engine Option	Increases availability with redundant supervisor engine options
Redundant Power Supply Option	Supports redundant power supplies for increased availability
Environmental	
Side-to-Side Airflow	Allows ease of access to ports and cables
Rear Serviceable Fan Tray	Enhanced cable management through rear serviceable fan tray
AC and DC Power Supply	Supports both AC and DC power supply options, including AC and DC mixing
20 RU Chassis Height	Allows two Cisco Catalyst 6513-E chassis to be deployed in a standard 42 RU rack
NEBS L3 Compliant	Supports NEBS L3 compliance for deployment in demanding environments

Product Specifications

Table 2 provides the product specifications for the Cisco Catalyst 6513-E chassis.

Table 2. Product Specifications

Number of Slots	13
Supervisor Compatibility	<ul style="list-style-type: none"> • Cisco Catalyst 6500 Series Supervisor Engine 720 • Cisco Catalyst 6500 Series Supervisor Engine 720-3B • Cisco Catalyst 6500 Series Supervisor Engine 720-3BXL • Cisco Catalyst 6500 Series Supervisor Engine 720-3C • Cisco Catalyst 6500 Series Supervisor Engine 720-3CXL • Cisco Catalyst 6500 Supervisor Engine 32
Power Supply Compatibility	<ul style="list-style-type: none"> • AC: 3000W, 4000W, 6000W, and 8700W • DC: 2500W, 4000W, and 6000W
Module Compatibility	Any module based on the software release n the system
Software Compatibility	<ul style="list-style-type: none"> • Cisco IOS® Software Release 12.2(18)SXF14 and later • Cisco IOS® Software Release 12.2(33)SXH2 and later • Cisco IOS® Software Release 12.2(33)SX11 and later
Reliability and Availability	Calculated MTBF: 225,000 hours
MIBS	Check the corresponding supervisor engine data sheet
Network Management	Check the corresponding supervisor engine data sheet
Physical Dimensions (HxWxD)	<ul style="list-style-type: none"> • 33.3 x 17.3 x 18.1 in. (84.6 x 43.9 x 46 cm) • 20 RU
Weight	<ul style="list-style-type: none"> • Chassis only: 79.1 lbs (35.9 kg) • Single fan tray: 13.2 lbs (6 Kg)
Power	<ul style="list-style-type: none"> • 100 to 240VAC (4000WAC supplies require 30A input circuits) • -48 to -60VDC

Industry Standard (NEBS/ETSI)	<ul style="list-style-type: none"> • GR-63-Core NEBS Level 3 • 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
Electromagnetic Emission Compliance (EMC)	<ul style="list-style-type: none"> • 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
Safety	<ul style="list-style-type: none"> • UL 60950 • CSA-C22.2 No. 60950 • EN 60950 • IEC 60950 • AS/NZS 60950/TS001
Operating Environment	<ul style="list-style-type: none"> • Operating temperature: 32°F to 104°F (0 to 40°C) • Storage temperature: -40 to 167°F (-40 to 75°C) • Relative humidity: 5% to 95% percent, noncondensing • Operating altitude: -500 to 6500 ft (1981 m)

Ordering Information

Table 3 lists the ordering information for the Cisco Catalyst 6513-E chassis. To place an order, visit the [Cisco ordering homepage](#).

Table 3. Ordering Information

Product Name	Part Number
Cisco Catalyst 6513 Enhanced Chassis	WS-C6513-E
Cisco Catalyst 6513 Enhanced Chassis Fan Tray	WS-C6513-E-FAN
Cisco Catalyst 6513 Enhanced Chassis Fan Tray Spare	WS-C6513-E-FAN=
Cisco Catalyst 6500 3000WAC Power Supply	WS-CAC-3000W
Cisco Catalyst 6500 6000WAC Power Supply	WS-CAC-6000W
Cisco Catalyst 6500 8700W Enhanced AC Power Supply	WS-CAC-8700W-E
Cisco Catalyst 6500 4000WAC Power Supply for US	WS-CAC-4000W-US
Cisco Catalyst 6500 4000WAC Power Supply for International	WS-CAC-4000W-INT
Cisco Catalyst 6500 2500WDC Power Supply	WS-CDC-2500W
Cisco Catalyst 6500 4000WDC Power Supply	PWR-4000-DC
Cisco Catalyst 6500 6000WDC Power Supply	PWR-6000-DC

For More Information

For more information about the Cisco Catalyst 6513-E chassis, visit <http://www.cisco.com/en/US/partner/products/hw/switches/ps708>.



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