

DATA SHEET

CISCO 7613 CHASSIS

The Cisco® 7613 Router is a high-performance router designed for deployment at the network edge where performance, IP services, and redundancy/fault resiliency are key requirements. Combined with the Supervisor Engine 720, the 13-slot Cisco 7613 provides 30 Mpps central forwarding rates and up to 400Mpps in distributed mode. This versatile Cisco 7600 platform scales WAN connectivity from OC-192/STM-64 to DS0 and LAN connectivity from 10-Gigabit Ethernet through 10-Mbps Ethernet.

Figure 1

Cisco 7613 Chassis



The Cisco 7613 delivers 13 slots of optical LAN, WAN, and MAN networking at the network edge, which enables service providers to offer high-value, differentiated services and provides enterprises the ability to deploy the advanced network infrastructure necessary to succeed in demanding high-traffic environments.

The Cisco 7613 incorporates the requirements service providers and high-end enterprises demand in a chassis. Understanding the need to use rack space efficiently, the Cisco 7613 is designed for horizontal line-card configurations with side-to-side airflow and single-side connection management for both interface and power terminations. Two chassis can be installed per seven-foot rack (33.3\text{ x }82.3 cm height, 18RU).

As with all Cisco 7600 Series routers, the Cisco 7613 chassis accommodates a broad selection of line cards supporting numerous applications, including:

- Shared Port Adapter and SPA Interface Processors: T1/E1, channelized T1/E1, T3/E3, Channelized T3, OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16 POS, OC-192/STM-64 POS, OC-3/STM-3 ATM, OC-12/STM-4 ATM, OC-48/STM-16 ATM, Fast Ethernet, Gigabit Ethernet, and 10 Gigabit Ethernet.
- Optical Service Modules: OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16 POS, OC-12/STM-4 ATM, Gigabit Ethernet WAN, Channelized T3 (CT3) and OC12/STM-4
- FlexWAN Module: Supporting Cisco 7200 and 7500 WAN port adapters for DS0 to OC-3
- LAN Ethernet Modules: 10/100 Mbps, Gigabit Ethernet, and 10-Gigabit Ethernet
- Services Modules: IPSec, Firewall, Network Analysis, Content Switching, and SSL

Providing the foundation for a powerful combination of speed and services, the Cisco 7613 Router is an outstanding choice for multiple applications. Whether deployed as a high-speed WAN aggregator, for peering, or for metropolitan Ethernet aggregation and uplinks, the Cisco 7613 meets the requirements for critical network applications.

FEATURE SUMMARY

Cisco 7613 System Features

- 30 Mpps hardware-based Cisco Express Forwarding
- 30 Mpps hardware-based access control lists (ACLs), classification, policing, and marking
- 720-Gbps total throughput
- Up to 400Mpps forwarding rate distributed

Cisco 7613 Chassis Features

- 13-slot NEBS-compliant chassis
- 18-RU (33.3 in./82.3 cm) chassis
- Up to 2 chassis per 7-foot rack
- Up to 12 interface slots (with 1 slot occupied by the forwarding and routing engine)
- 1 + 1 route processor and switch fabric protection capability
- 1 + 1 power supply protection option, AC or DC
- Single-side connection management for both interface and power terminations
- Horizontal line-card configurations
- Side-to-side airflow

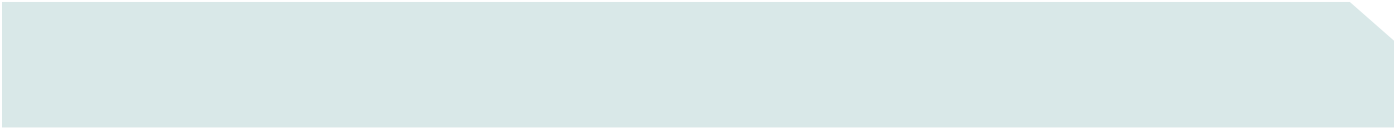
Cisco 7613 Technical Specifications

- Minimum route processor requirement—one Supervisor Engine 2 with MFSC-2
- Dimensions
 - Height: 33.3 in. (82.3 cm)

- Width: 17.2 in. (42.5 cm)
- Depth: 18.1 in. (44.7 cm)
- Power requirements: 208 to 240 VAC recommended (or –48 to –60 VDC)
- Mean Time Between Failure (MTBF): 7 years for system configuration
- Environmental conditions:
 - Operating temperature: 32 to 104°F (0 to 40°C)
 - Storage temperature: –4 to 149°F (–20 to 65°C)
 - Relative humidity, operating: 10 to 85%, non-condensing
 - Relative humidity, storage: 5 to 95%, non-condensing
 - Operating altitude: –500 to 10,000 ft.
- Minimum software release: Cisco IOS® Software Release 12.1(13)E

Table 1. Cisco 7613 Chassis Ordering Information

Part Number	Description
7613-AC-BUN	Cisco 7613 chassis (includes 1 high speed fan module, mounting kit, cable guide) with Supervisor 2 with MSFC-2, 1 4000W AC power supply, power entry module, and Border Gateway Protocol 4 (BGP4) license (AC bundles include power cord)
7613-DC-BUN	Cisco 7613 chassis (includes fan module, mounting kit, cable guide) with Supervisor 2 with MSFC-2, single 4000W DC power supply, power entry module, and Border Gateway Protocol 4 (BGP4) license
7613-DC-BUN-2500W	Cisco 7613 chassis (includes fan module, mounting kit, cable guide) with Supervisor 2 with MSFC-2, single 2500W DC power supply, power entry module, and Border Gateway Protocol 4 (BGP4) license
7613-SUP720-PS	This bundle includes a Cisco 7613 chassis, equipped with high-speed fan, 1 Supervisor Engine 720, 1 3000W AC power supply and AC PEM. The 3000W AC power supply may be changed to DC or 4000W for a nominal fee. Additional memory and IOS are optional.
7613-SUP7203B-PS	This bundle includes a Cisco 7613 chassis, equipped with high-speed fan, 1 Supervisor Engine 720-3B, 1 3000W AC power supply and AC PEM. The 3000W AC power supply may be changed to DC or 4000W for a nominal fee. Additional memory and IOS are optional.
7613-2SUP7203B-2PS	This bundle includes a Cisco 7613 chassis, equipped with high-speed fan, 2 Supervisor Engine 720-3B, 2 3000W AC power supplies and AC PEMs. The 3000W AC power supplies may be changed to DC or 4000W for a nominal fee. Additional memory and IOS are optional.
7613-SUP720XL-PS	This bundle includes a Cisco 7613 chassis, equipped with high-speed fan, 1 Supervisor Engine 720-3BXL, 1 3000W AC power supply and AC PEM. The 3000W AC power supply may be changed to DC or 4000W for a nominal fee. Additional memory and IOS are optional.
7613-2SUP720XL-2PS	This bundle includes a Cisco 7613 chassis, equipped with high-speed fan, 2 Supervisor Engine 720-3BXL, 2 3000W AC power supplies and AC PEMs. The 3000W AC power supplies may be changed to DC or 4000W for a nominal fee. Additional memory and IOS are optional.
Spare Units (denoted by “=”)	
CISCO7613=	Cisco 7613 chassis, mounting kit, and cable guide
PWR-4000-DC=	4000W DC power supply for Cisco 7609/7613
WS-CAC-4000W-US=	Spare AC power supply for Cisco 7609 chassis (requires 30A circuit) US/Japan cord attached
WS-CAC-4000W-INT=	Spare AC power supply for Cisco 7609 chassis (requires 30A circuit) International cord attached
WS-CAC-3000W=	Spare 3000W AC power supply for the Cisco 7609 and 7613
WS-CDC-2500W=	Spare DC 2500W Supply
WS-C6513-RACK=	Cisco Catalyst® 6513 Rack Mount Kit and Cable Organizer, spare



Part Number	Description
WS-C6K-13SLOT-FAN	Cisco 7613 fan tray, spare

Regulatory Compliance

- UL 60950
- IEC 60825-1, -2
- IEC 60950
- EN 60950
- EN 60825-1, -2
- CAN/CSA-C22.2 No. 60950-00
- AS/NZS 3260-1993
- 21CFR1040 S

EMC

- FCC Part 15 (CFR 47) Class A
- ICES-003 Class A
- EN55022 Class A
- CISPR22 Class A
- AS/NZS 3548 Class A
- VCCI Class A
- EN55024
- ETS300 386
- EN50082-1
- EN61000-3-2
- EN61000-3-3

Safety and Environmental Standard Compliance

- GR-63-Core NEBS Level 3
- GR-1089-Core NEBS Level 3
- ETSI 300 019 Storage Class 1.1
- ETSI 300 019 Transportation Class 2.3
- ETSI 300 019 Stationary Use Class 3.1

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Whether the goal is speed to market, maximizing network availability, or enhancing customer satisfaction and retention, Cisco is committed to the success of its customers.



FOR MORE INFORMATION

For more information about Cisco service and support programs and benefits, visit: <http://www.cisco.com/en/US/support/index.html>

For more information about Cisco 7600 Series routers, contact your Cisco account representative or visit: <http://www.cisco.com/go/7600>

For ordering information, visit: http://www.cisco.com/public/ordering_info.shtml

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