

WS-C4507R-E Datasheet

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Overview

The Catalyst 4507R-E switch is a 7-slot horizontal chassis supporting redundant power supplies, redundant supervisor engines, and slots for up to six modules. Cisco Catalyst 4500 Series offers non-blocking Layer2/3/4 switching with integrated resiliency, further enhancing control of converged networks. Converged voice/video/data networks with high availability enable business resiliency for enterprise and metropolitan (metro) Ethernet customers deploying Internet-based business applications.

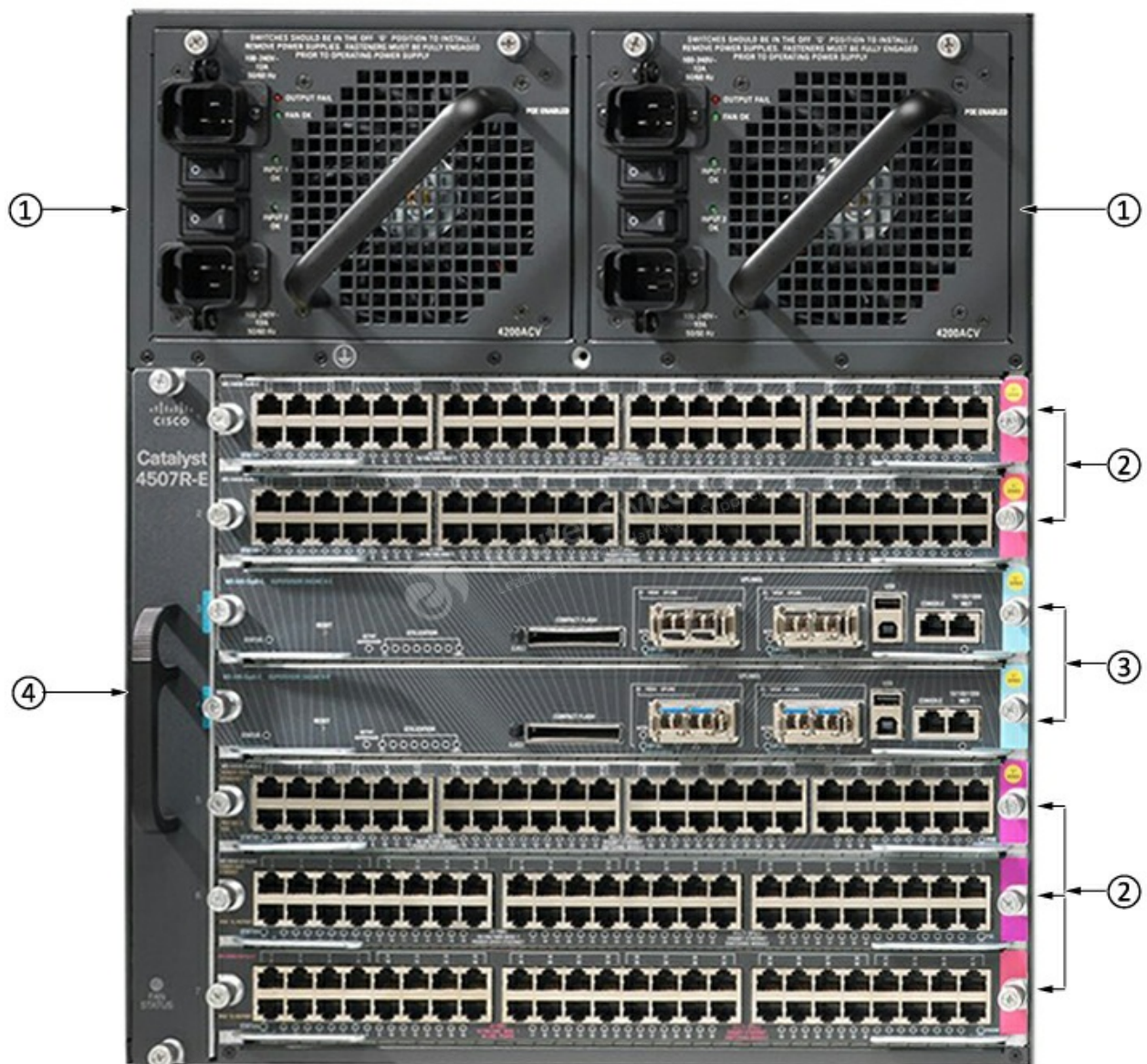
Quick Specs

Table 1 shows the Quick Specs.

Product Code	WS-C4507R-E
Supervisor engine slot	2
Line-card slots	5
Redundant power supplies	2
Backplane	24 Gbps full duplex per slot (240 Gbps).
Dimensions (H x W x D)	48.74 x 43.97 x 31.70 cm
Rack Units (RU)	11 RU
Weight	20.19 kg – 45.4 Kg
Airflow	Chassis fan tray: Right to left Power supply fan: Front to back

Product Details

Figure 1 shows the front view of WS-C4507R-E with installed modules, supervisor engines and cards. These modules, supervisor engines and cards should be ordered separately.



Note:

(1)	Power Supplies	(3)	Supervisor engines (primary in slot 3 and secondary in slot 4)
(2)	Switching modules (slots 1, 2, 5, 6, 7)	(4)	Fan tray assembly

Table 2 shows the Cisco Catalyst WS-C4507R-E Switch Features

Feature	Description
Chassis	Three horizontal slots. Slots are numbered from 1 (top) to 7 (bottom).
Supervisor engines	Supports the following supervisor engines: - Supervisor Engine 8-E - Supervisor Engine 7L-E - Supervisor Engine 7-E
Modules	Supports up to 5 Catalyst 4500 series modules.
Backplane	24 Gbps full duplex per slot (240 Gbps).
Fan tray	The chassis supports one hot-swappable fan tray.

Power supply	Supports one or two power supplies. All Catalyst 4500 series AC-input power supplies require single-phase source AC.
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The Accessories

Table 3 shows the recommended elements for the WS-C4507R-E.

Category	Model	Description
AP License	L-LIC-CTIOS-1A	1 AP Adder License for the IOS based Wireless Controller (e-delivery)
Primary Supervisor	WS-X45-SUP8-E	Catalyst 4500 E-Series Supervisor 8-E
	WS-X45-SUP7-E	Catalyst 4500 E-Series Supervisor, 848Gbps
	WS-X45-SUP7L-E	Catalyst 4500 E-Series Supervisor LE, 520Gbps
10/100/1000/MGig Line Cards	WS-X4748-RJ45-E	Cisco 4500 Line Card WS-X4748-RJ45-E Catalyst 4500 E-Series 48-Port 10/100/1000 Non-Blocking
	WS-X4748-UPOE+E	Cisco 4500 Line Card WS-X4748-UPOE+E Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45)
	WS-X4748-RJ45V+E	Cisco 4500 Line Card WS-X4748-RJ45V+E Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)
1 G Fiber Line Cards	WS-X4724-SFP-E	Catalyst 4500 E-Series 24-Port GE (SFP)
	WS-X4748-SFP-E	Catalyst 4500 E-Series 48-Port GE (SFP)
	WS-X4712-SFP-E	Catalyst 4500 E-Series 12-Port GE (SFP)
10 G Fiber Line Cards	WS-X4606-X2-E	Catalyst 4500 E-Series 6-Port 10GbE (X2)
	WS-X4712-SFP+E	Catalyst 4500 E-Series 12-Port 10GbE (SFP+)
Power Supply	PWR-C45-1400AC	Catalyst 4500 1400W AC Power Supply (Data Only)
	PWR-C45-1400DC	C4500 1400W DC Triple Input SP Power Supply-data only
Supervisor Software License	L-C4500E-IP-ES=	Cisco Catalyst 4500E IP Base to Enterprise Services IOS upgrade license

Compare to Similar Items

Table 4 shows the comparison of WS-C4507R-E and WS-C4506-E.

Model	WS-C4507R-E	WS-C4506-E
Supervisor engine slot	2	1
Line-card slots	5	5
Redundant power supplies	2	2
Supervisor engines	- Supervisor Engine 8-E - Supervisor Engine 7L-E - Supervisor Engine 7-E	- Supervisor Engine 8-E - Supervisor Engine 7L-E - Supervisor Engine 7-E
Backplane	24 Gbps full duplex per slot (240 Gbps).	48 Gbps full duplex per slot (240 Gbps)

Get more information

Do you have any question about the WS-C4507R-E?

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Specification

WS-C4507R-E Specification	
Manufacturer:	Cisco
Product ID:	WS-C4507R
Product Description:	Catalyst 4500 Chassis (7-Slot),fan, no p/s, Red Sup Capable
Product Type:	Ethernet Switch
I/O Expansions	
Number of Total Expansion Slots:	7
Expansion Slot Type:	Supervisor Engine
Management & Protocols	
Manageable:	Yes
Management:	<p> Network topology discovery and display services VLAN provisioning and logical display representation Traffic monitoring and performance assessment End-station tracking with search utilities CiscoView graphical device management Network topology integrity checking Cisco Discovery Protocol Cisco Virtual Trunking Protocol (VTP) Simple Network Management Protocol (SNMP) agent Version 1 (RFCs 1155-1157) SNMP Version 2c Cisco Workgroup Management Information Base (MIB) Ethernet MIB (RFC 1643) Ethernet Repeater MIB (RFC 1516) SNMP MIB II (RFC 1213) Remote Monitoring (RMON) (RFC 1757) Remote Monitoring II (RMON II) (RFC 2021) Interface Table (RFC 1573) Bridge MIB (RFC 1493) Switched Port Analyzer (SPAN) Enhanced Switched Port Analyzer (ESpan) Port snooping and connection steering Standard Cisco IOS security capabilities: passwords and TACACS+ Telnet, Trivial File Transfer Protocol (TFTP), BOOTP for management access </p>
Power Description	
Power Source:	Power Supply
Redundant Power Supply:	Yes
Physical Characteristics	
Height:	19.2"
Width:	17.3"
Depth:	12.5"
Weight (Approximate):	107.00 lb
Miscellaneous	

Additional Information:	<p>Item Included:</p> <p>Catalyst 4000 Series Blank Slot Cover (C4K-SLOT-CVR)</p> <p>Supervisor Engines Supported:</p> <p>Supervisor Engines II-Plus</p> <p>Supervisor IV</p> <p>Slots 1 and 2 are reserved for Supervisor Engines only. Slots 3 and higher are reserved for line cards</p> <p>Supervisor Engine Redundancy:</p> <p>Yes (Supervisor Engine IV only)</p> <p>No Power Supply</p> <p>Power supplies supported:</p> <p>1000-watt AC</p> <p>2800-watt ACV</p> <p>1300-watt ACV</p> <p>1400-watt DC</p>
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<p>Certifications & Standards:</p>	<p>Safety:</p> <p>UL 60950CAN/CSA-C22.2 No. 60950EN 60950IEC 60950TS 001AS/NZS 3260</p> <p>EMC:</p> <p>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 EN 55022EN 55024 EN 61000-6-1 EN 50082-1 EN 61000-3-2 EN 61000-3-3 ETS 300 386</p> <p>Industry EMC, Safety and Environmental Standards:</p> <p>GR-63-Core NEBS Level 3 GR-1089-Core Level 3 ETS 300 019 Storage Class 1.1 ETS 300 019 Transportation Class 2.3 (Pending) ETS 300 019 Stationary Use Class 3.1 ETS 300 386</p> <p>Telecom (E1):</p> <p>CTR 12/13 CTR 4 ACA TS016</p> <p>Telecom (T1):</p> <p>FCC Part 68 Canada CS-03 JATE Green Book Ethernet: IEEE 802.3, 10BASE-T</p> <p>Fast Ethernet:</p> <p>IEEE 802.3u, 100BASE-TX IEEE 802.3, 100BASE-FX</p> <p>Gigabit Ethernet:</p> <p>IEEE 802.3z IEEE 802.3x IEEE 802.3ab</p> <p>1000BASE-X (GBIC):</p> <p>1000BASE-SX 1000BASE-LX/LH 1000BASE-ZX</p> <p>Virtual LAN (VLAN) trunking/tagging:</p> <p>IEEE 802.1Q</p> <p>Spanning-Tree Protocol:</p> <p>IEEE 802.1D IEEE 802.1w IEEE 802.1s</p> <p>Security:</p> <p>IEEE 802.1</p>
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