

A9K-RSP440-SE Datasheet

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Overview

A9K-RSP440-SE is the Cisco ASR 9000 Route Switch Processor with 440G/slot Fabric and 12GB. The Cisco ASR 9000 Series Route Switch Processor 440 (RSP 440) is a main system processor for Cisco ASR 9000 Series. It supports scalable, low-power, next-generation platforms, as well as required by today's service provider networks.

Quick Specs

This figure shows the appearance of A9K-RSP440-SE.



Table 1 shows the quick specs.

Model	A9K-RSP440-SE
Type	Cisco ASR 9000 Route Switch Processor with 440G/slot Fabric and 12GB
Switch fabric	- High-capacity full-duplex integrated dual-switch fabric 220 Gbps/slot with single RSP 440 Gbps/slot with dual RSP
Memory internal	12-GB ECC-protected DRAM for A9K-RSP440-SE - Solid state disk: two 16-GB SSDs 8-GB embedded USB
Memory external	USB 2.0 Type A receptacle

Compatibility

Table 2 shows the compatibility products of A9K-RSP440-SE.

Model	Description
ASR-9010-DC	Cisco ASR 9010 DC Chassis
ASR-9010-DC-V2	ASR 9010 DC Chassis with PEM Version 2
ASR-9010-AC	Cisco ASR 9010 AC Chassis

ASR-9010-AC-V2	ASR 9010 AC Chassis with PEM Version 2
ASR-9006-DC	Cisco ASR 9006 DC Chassis
ASR-9006-DC-V2	ASR-9006-DC-V2 ASR 9006 DC Chassis with PEM Version 2
ASR-9006-AC	Cisco ASR 9006 AC Chassis
ASR-9006-AC-V2	ASR-9006-AC-V2 ASR 9006 AC Chassis with PEM Version 2

Compare to Similar Item

Table 3 shows the comparison between A9K-RSP440-TR and A9K-RSP440-SE.

Model	A9K-RSP440-TR	A9K-RSP440-SE
Type	Cisco ASR 9000 Route Switch Processor with 440G/slot Fabric and 6GB	Cisco ASR 9000 Route Switch Processor with 440G/slot Fabric and 12GB
Switch fabric	- High-capacity full-duplex integrated dual-switch fabric 220 Gbps/slot with single RSP 440 Gbps/slot with dual RSP	- High-capacity full-duplex integrated dual-switch fabric 220 Gbps/slot with single RSP 440 Gbps/slot with dual RSP
Memory internal	6-GB Error-Correcting Code (ECC)-protected DRAM for A9K-RSP440-TR - Solid state disk: two 16-GB SSDs 8-GB embedded USB	12-GB ECC-protected DRAM for A9K-RSP440-SE - Solid state disk: two 16-GB SSDs 8-GB embedded USB
Memory external	USB 2.0 Type A receptacle	USB 2.0 Type A receptacle

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Specification

A9K-RSP440-SE Specifications	
Switch fabric	- High-capacity full-duplex integrated dual-switch fabric 220 Gbps/slot with single RSP 440 Gbps/slot with dual RSP
Memory internal	12-GB ECC-protected DRAM for A9K-RSP440-SE - Solid state disk: two 16-GB SSDs 8-GB embedded USB
Memory external	USB 2.0 Type A receptacle
Timing system	- Timing: Two independent clock source connections - IEEE 1588 support: Copper 10/100-Mbps RJ-45 Ethernet port - GPS - ToD (RS422 and RS232) 1-pps RS422 or 1.0/2.3 50-ohm RF connector 10MHz in/out 1.0/2.3 50-ohm RF connector
Management	- Two 100/1000 BASE-T (RJ-45) LAN management ports - One console port - One auxiliary port - Two 10-GE Small Form-Factor Pluggable Plus (SFP+) virtualization cluster ports
Alarms	Alarm outputs: Critical alarm (CR), major alarm (MJ), and minor alarm (MN)

LEDs	◦ Amber alarm cut-off (ACO) and lamp test ◦ System synchronization alarm (SYNC) ◦ Compact Flash activity (CF) ◦ Solid State Drive (SSD) ◦ Fan tray visual indicator (UFAN/LFAN)
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