

Cisco ASR 1000 Series Route Processors

PB443045

The Cisco® ASR 1000 Series Route Processors, the route processors for the Cisco ASR 1000 Series Aggregation Services Routers, address the route-processing requirements of carrier-grade IP and Multiprotocol Label Switching (MPLS) packet infrastructures. They are responsible for the following functions:

- Executing routing protocol stacks
- Performing all protocol communications with other routers
- Building and distributing forwarding information to all line cards
- Uploading the operating-system software system images to all installed line cards upon powering up
- Providing out-of-band system console and auxiliary ports, a universal serial bus (USB), and an Ethernet port for router configuration and maintenance; and monitoring and managing the power and temperature of system components such as line cards, power supplies, and fans

Features

The Cisco ASR 1000 Series Route Processor RP1, RP2, and RP3 offer the following features:

- Integrate full range of industry-leading Cisco IOS® Software features and services
- Provide optional redundant-processor support and dual Cisco IOS Software support for single route-processor solutions for the industry’s most compact, fully redundant, high-availability solution, improving network resiliency, management, and costs
- Provide hard disk drive or solid state drive for code storage, boot, configuration, logs, etc.
- Offer field-replaceable and hot-swappable module to help ensure minimal service disruption
- Offer Stratum-3 clock circuitry and input ports
- Provide USB port for 1-GB compact flash memory support
- Offer memory scalability up to 4 GB for RP1, 16 GB for RP2, and 64 GB for RP3

Ordering Information

Table 1 gives ordering information for the Cisco ASR 1000 Series route processors. To place an order, visit the Cisco Ordering Home Page at <http://www.cisco.com/en/US/ordering/index.shtml>.

To download software, visit the Cisco Software Center at <https://software.cisco.com/download/navigator.html>.

Table 1. Ordering Information

Product Name	Part Number
Cisco ASR 1000 Series Route Processor 2	
Cisco ASR 1000 Route Processor 2	ASR1000-RP2
Cisco ASR 1000 Route Processor 2, Spare	ASR1000-RP2=

Product Name	Part Number
Cisco ASR 1000 RP2 Memory and Storage	
Cisco ASR 1000 RP2 8 GB DRAM	M-ASR1K-RP2-8GB
Cisco ASR 1000 RP2 8 GB DRAM, Spare	M-ASR1K-RP2-8GB=
Cisco ASR 1000 RP2 16 GB DRAM	M-ASR1K-RP2-16GB
Cisco ASR 1000 RP2 16 GB DRAM, Spare	M-ASR1K-RP2-16GB=
Cisco ASR 1000 RP2 80 GB HDD, Spare	M-ASR1K-HDD-80GB=
Cisco ASR 1000 Series Route Processor 3	
Cisco ASR 1000 Route Processor 3	ASR1000-RP3
Cisco ASR 1000 Route Processor 3, Spare	ASR1000-RP3=
Cisco ASR 1000 RP3 w/ 32 GB, 2 Pack	ASR1000-RP3-32G-2P
Cisco ASR 1000 RP3 w/ 64 GB, 2 Pack	ASR1000-RP3-64G-2P
Cisco ASR 1000 RP3 Memory and Storage	
Cisco ASR 1000 RP3 8 GB DRAM	M-ASR1K-RP3-8GB
Cisco ASR1000 RP3 8 GB DRAM, Spare	M-ASR1K-RP3-8GB=
Cisco ASR 1000 RP3 8 GB DRAM	M-ASR1K-RP3-16GB
Cisco ASR 1000 RP3 8 GB DRAM, Spare	M-ASR1K-RP3-16GB=
Cisco ASR 1000 RP3 8 GB DRAM	M-ASR1K-RP3-32GB
Cisco ASR 1000 RP3 8 GB DRAM, Spare	M-ASR1K-RP3-32GB=
Cisco ASR 1000 RP3 8 GB DRAM	M-ASR1K-RP3-64GB
Cisco ASR 1000 RP3 8 GB DRAM, Spare	M-ASR1K-RP3-64GB=
Cisco ASR 1000 RP3 100 GB SSD	M-ASR1K-SSD-100GB
Cisco ASR 1000 RP3 100 GB SSD, Spare	M-ASR1K-SSD-100GB=
Cisco ASR 1000 RP3 200 GB SSD	M-ASR1K-SSD-200GB
Cisco ASR 1000 RP3 200 GB SSD, Spare	M-ASR1K-SSD-200GB=
Cisco ASR 1000 RP3 400 GB SSD	M-ASR1K-SSD-400GB
Cisco ASR 1000 RP3 400 GB SSD, Spare	M-ASR1K-SSD-400GB=
Cisco ASR 1000 Series USB Flash Memory Options	
1 GB USB Flash Token for Cisco ASR 1000 Series	MEMUSB-1024FT
1 GB USB Flash Token for Cisco ASR 1000 Series, Spare	MEMUSB-1024FT=

Cisco Services

Cisco Services integrates closely with Corporate Marketing teams as an essential element of any technology solution. Please contact your Cisco Services manager if you have not already received targeted services content blocks for integration. Please send an e-mail message to ca-mmcom@cisco.com if you are not sure of the appropriate contact.

Cisco Services makes networks, applications, and the people who use them work better together.

Today, the network is a strategic platform in a world that demands better integration between people, information, and ideas. The network works better when services, together with products, create solutions aligned with business needs and opportunities.

The unique Cisco Lifecycle approach to services defines the requisite activities at each phase of the network lifecycle to help ensure service excellence. A collaborative delivery methodology that joins the forces of Cisco, its skilled network of partners, and its customers achieves the best results.

For More Information

For more information about the Cisco ASR 1000 Series Route Processor, visit <http://www.cisco.com/go/asr1000> or contact your local Cisco account representative.




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