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Refurbished CISCO A900-RSP3C-400-S Datasheet

CISCO > ROUTERS

Cisco ASR 900 Series Aggregation Services Routers

Cisco ASR 900 RSP product specifications	
Product ID	
Power consumption of chassis with 2 power supplies, 1 fan tray, and 1 RSP	A900-RSP3C-400-S: 440W A900-RSP3C-400-W: 480W
RSP memory (DRAM)	8 GB
Flash memory (storage)	8 GB
Service scale	Large
Ethernet interface module compatibility	A900-IMA1C A900-IMA2F A900-IMA8Z A900-IMA2Z A900-IMA1X A900-IMA8S A900-IMA8S1Z A900-IMA8T A900-IMA8T1Z A900-IMA1Z8S-CXMS
TDM and ATM interface module compatibility	A900-IMA1Z8S-CX A900-IMA48D-C A900-IMA48T-C A900-IMA3G-IMSG A900-IMA1Z8S-CXMS
Maximum interface throughput	480 Gbps
IP version 4 performance	600 Mpps
IP version 6 performance	600 Mpps
Shipment package size in inches (LxWxH)	A900-RSP3C-400-S: 14.38x14.38x6.25 A900-RSP3C-400-W: 21.75x15.75x6.56
Shipment package weight	A900-RSP3C-400-S: 6.2 lbs. A900-RSP3C-400-W: 7.0 lbs.
MTBF at 104°F (40°C) operating temperature	230,000 hours

Maximum Single-Dimensional Service Scale	
Product ID	
MAC addresses	200,000
Bridge domains	8,000
Ethernet flow points	5,000
L3 interfaces	1,000
IPv4 routes	128,000

IPv6 routes	12,000
Multicast routes	4,000
MPLS VPN	1,000
MPLS labels	32,000
EoMPLS tunnels per system	8,000
VPLS instances	4,000
Queues	48,000
Classifications	24,000
Ingress policers	24,000
Class maps	1,000
Queue counters (packet and byte)	240,000
Policer counters (packet and byte)	72,000
IPv4 ACL entries	1,000
BFD sessions	1,023
IEEE 802.1ag (CFM) at 3.3ms interval	1,024

Environmental Specifications

Operating environment and altitude	40 to 65°C operating temperature (DC operation, with the 900W or 1200W power supplies) 40 to 65°C operating temperature (AC operation, with the 1200W power supplies) 5 to 50°C operating temperature (AC operation, with the 550W power supplies) 60 to 1800m operating altitude (for full operating temperature range) Up to 4000m operating altitude (at up to 40°C temperature)
Outside plant	For an outside plant installation, it is required that the system be protected against airborne contaminants, dust, moisture, insects, pests, corrosive gases, polluted air, or other reactive elements present in the outside air. To achieve this level of protection, it is recommended that the unit be installed in a fully sealed enclosure. Examples of such cabinets include IP65 cabinets with heat exchanger complying with Telcordia GR487.
Relative humidity	5 to 95%, noncondensing
Acoustic noise	Acoustic noise peak operation complies with Network Equipment Building Standards (NEBS) GR-63-Core Issue 4 sound power level of 78 dB at 27°C operation as measured by the ANSI S12.10/ISO 7779 NAIS noise measurement test standard.
Storage environment	Temperature: –40 to 70°C altitude: 15,000 ft. (4570m)
Seismic	Zone 4
Hazardous substances	Reduction of Hazardous Substances (ROHS) 6

Safety and Compliance

Type	
Type	Standards
Safety	UL 60950-1, 2 edition CAN/CSA C22.2 No. 60950-1-07 2 edition IEC 60950-1, 2 edition EN 60950-1, 2 edition AS/NZS 60950.1:2003
Electromagnetic	FCC CFR47 Part 15 Class A
Emissions compliance	EN55022, class A CISPR22, class A ICES-003, class A EN 300 386, class A VCCI, class A KN22, class A EN61000-3-2 to EN61000-3-3

Immunity compliance	EN 300 386
	EN 61000-6-1
	EN 50082-1
	CISPR24
	EN 55024
	KN 24
	EN 50121-4
	EN/KN 61000-4-2 to EN/KN 61000-4-6
	EN/KN 61000-4-8
	EN/KN 61000-4-11
NEBS	GR-63-CORE Issue 3
	GR-1089-CORE Issue 5
	SR-3580 NEBS Level 3
ETSI	ETS/EN 300 119 Part 4
	ETS/EN 300 019 - Storage: Class 1.2, Transportation: Class 2.3, In-Use/Operational: Class 3.2
	ETS/EN 300 753
Network synchronization	GNSS
	ANSI T1.101
	GR-1244-CORE
	GR-253-CORE
	ITU-T G.813
	ITU-T G.823
	ITU-T G.824
	ITU-T G.703 clause 5
	ITU-T G.703 clause 9
	ITU-T G.8261/Y.1361
	ITU-T G.781
	ITU-T G.8262
	ITU-T G.8264
	ITU-T G.8265.1
	ITU-T G.8275.1
	IEEE1588-2008

Hardware Components for Cisco ASR 900 RSP Modules

Part Number

Description	ASR 903 Router and Switching Processor and Controller - 400G

The next steps...

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