

# Refurbished CISCO ASR-903 Datasheet

CISCO > ROUTERS

## Cisco ASR 900 Series Aggregation Services Routers

### Hardware components for Cisco ASR 900 Series routers

#### ASR 903 System Components

<b>ASR 903 System Components</b>	ASR 903 Router Chassis
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### Environmental specifications

#### Description

Description	
<b>Description</b>	Cisco ASR 900 Series Router
<b>Operating environment and altitude</b>	40 to 65°C operating temperature (DC operation, with both the 550W and the 1200W power supplies) 40 to 65°C operating temperature (AC operation, with the 1200W power supply) 5 to 55°C operating temperature (AC operation, with 550W AC power supply) 0 to 40°C operating temperature (AC operation, with 550W AC power supply) 60 to 1800m operating altitude (for full operating temperature range) Up to 4000m operating altitude (at up to 40°C temperature)
<b>Outside plant</b>	For an outside plant installation, it is required that the router 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 Telecordia GR487.
<b>Relative humidity</b>	5 to 95%, noncondensing
<b>Acoustic noise</b>	Acoustic noise peak operation complies with Network Equipment Building Standards (NEBS) GR-63-Core Issue 3 sound power level of 78 dB at 27°C operation as measured by the ANSI S12.10/ISO 7779 NAIS noise measurement test standard.
<b>Storage environment</b>	Temperature: -40 to 70°C altitude: 15,000 ft (4570m)
<b>Seismic</b>	Zone 4
<b>Hazardous substances</b>	Reduction of Hazardous Substances (ROHS) 6

### Safety and compliance

#### Type

Type	Standards
<b>Safety</b>	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
<b>Electromagnetic</b>	FCC CFR47 Part 15 Class A
<b>Emissions compliance</b>	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
<b>Immunity compliance</b>	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
<b>Power substation system compliance</b>	IEC-61850-3 (2002) (Cisco ASR 903) IEEE1613 (2009) (Cisco ASR 903) IEC 60870-2-2 Am Class (Cisco ASR 907) and IEC 60870-2-2 Bm Class (Cisco ASR 902 / Cisco ASR 903)
<b>NEBS</b>	GR-63-CORE Issue 3 GR-1089-CORE Issue 5 SR-3580 NEBS Level 3
<b>ETSI</b>	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
<b>Network synchronization</b>	ANSI T1.101 GR-1244-CORE GR-253-CORE ITU-T G.703 clause 5 ITU-T G.703 clause 9 ITU-T G.781 ITU-T G.813 ITU-T G.823 ITU-T G.824 ITU-T G.8261/Y.1361 ITU-T G.8262 ITU-T G.8264 IEEE1588-2008

## Certifications

<b>Description</b>	Cisco ASR 900 Series Router
<b>Common Criteria</b>	Cisco ASR 902 Router and Cisco ASR 903 Router running Cisco IOS XE Software 3.13(1)S
<b>FIPS</b>	FIPS 140 validated cryptographic module, Cisco ASR 902 Router and Cisco ASR 903 Router running Cisco IOS XE Software 3.13(1)S
<b>MEF</b>	Carrier Ethernet (CE) 1.0 and CE 2.0. MEF 9 and MEF 14
<b>IEEE 1588-2008</b>	1588 SLAVE (IEEE CONFORMITY ASSESSMENT PROGRAM) IEEE 1588TM Conformity Test Suite for Frequency Synchronization in Telecommunications Networks - Packet Slave Clock IEEE Std 1588TM-2008 and Recommendation ITU-T G.8265.1 (10/2010) with Amendments 1 (04/2011) and 2 (10/2012)

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