

Refurbished CISCO ASR-9001-BUN Datasheet

CISCO > ROUTERS

Cisco ASR 9000 Series Aggregation Services Routers

Features and Benefits of Cisco ASR 9001 Router

Feature	
Feature	Benefit
Scalable fabric	Designed to support high 1/10/40 Gigabit densities in a 2RU form factor Provides built-in scalability for investment protection
Integrated port	Four 10 GE services-enabled SFP+ ports
Integrated route processor with 8 GB RAM	Runs Cisco IOS XR, a carrier-class operating system with high memory capacity suitable for a dedicated route-reflector application
Distributed forwarding plane architecture	Allows MPA cards to support independent forwarding for enhanced performance and scale
Control plane extension ports	Two 10 G out-of-band Ethernet communications ports support Network Virtualization (nV) technology for high-availability cluster applications
Hardware-based IEEE 1588 support	Delivers timing services over the packet network efficiently and reliably
Two independent clock source connections: BITS and Synchronization Supply Unit (SSU) with DOCSIS Timing Interface (DTI)	Offers redundant, centralized network synchronization support
GPS	Provides option for Stratum-1 clocking
Embedded USB memory (eUSB) port	Provides access to USB flash memory devices for software image loading and recovery
Front-panel LEDs	Provides visual indication of RSP status (active or standby), power management, and activity on compact flash and hard disk drive (HDD)
Management ports	Provides easy access to system console
Power supply	Redundant AC or DC power supplies

Specifications for Cisco ASR 9001 Router

Category	
Category	Part Number or Specification
Chassis	ASR 9001
Integrated interfaces	4 x 10 GE SFP+
Modular port adapters	20 x 1 GE, 2 x 10 GE, 4 x 10 GE, 1 x 40 GE
Redundancy	Power supply redundancy
Power supply part number	A9K-750W-AC A9K-750W-DC
Physical specifications	Height: 3.472 inches (88.2 mm) Width: 17.42 inches (442 mm) Depth: 18.5 inches (470 mm) Weight of chassis: 30.2032 lbs (13.7 kg) Weight of chassis with two MPAs: 36.37623 lbs (16.5 kg)
Power inputs	Worldwide ranging AC (90-265V; 50-60 Hz) Worldwide ranging DC (-40V to -72V)

Power consumption	425 watts typical, 525 watts maximum
Environmental Specifications	
Operating temperature (nominal)	41 to 104°F (5 to 40°C)
Operating temperature (short-term)	23 to 131°F (-5 to 55°C)
Operating humidity (nominal) (relative humidity)	10 to 85%
Operating humidity (short-term)	5 to 90% Note: Not to exceed 0.024 kg water or dry air
Storage temperature	-40 to 158°F (-40 to 70°C)
Storage (relative humidity)	5 to 95% Note: Not to exceed 0.024 kg water or dry air
Operating altitude	-1800m
Compliance	
Network Equipment Building Standards (NEBS)	Cisco ASR 9001 is designed to meet: SR-3580: NEBS Criteria Levels (Level 3) GR-1089-CORE: NEBS EMC and Safety GR-63-CORE: NEBS Physical Protection VZ.TPR.9205: Verizon TEEER
ETSI standards	Cisco ASR 9001 is designed to meet (qualification in progress): EN300 386: Telecommunications Network Equipment (EMC) ETSI 300 019 Storage Class 1.1 ETSI 300 019 Transportation Class 2.3 ETSI 300 019 Stationary Use Class 3.1 EN55022: Information Technology Equipment (Emissions) EN55024: Information Technology Equipment (Immunity) EN50082-1/EN-61000-6-1: Generic Immunity Standard
EMC standards	Cisco ASR 9001 is designed to meet: FCC Class A ICES 003 Class A AS/NZS 3548 Class A CISPR 22 (EN55022) Class A VCCI Class A BSMI Class A IEC/EN 61000-3-2: Power Line Harmonics IEC/EN 61000-3-3: Voltage Fluctuations and Flicker EN 50121-4: Railway EMC
Immunity	Cisco ASR 9001 is designed to meet: IEC/EN-61000-4-2: Electrostatic Discharge Immunity (8kV Contact, 15kV Air) IEC/EN-61000-4-3: Radiated Immunity (10V/m) IEC/EN-61000-4-4: Electrical Fast Transient Immunity (2kV Power, 1kV Signal) IEC/EN-61000-4-5: Surge AC Port (4kV CM, 2kV DM) IEC/EN-61000-4-5: Signal Ports (1kV) IEC/EN-61000-4-5: Surge DC Port (1kV) IEC/EN-61000-4-6: Immunity to Conducted Disturbances (10Vrms) IEC/EN-61000-4-8: Power Frequency Magnetic Field Immunity (30A/m) IEC/EN-61000-4-11: Voltage DIPS, Short Interruptions, and Voltage Variations EN 50121-4: Railway EMC
Safety	Cisco ASR 9001 is designed to meet: UL/CSA/IEC/EN 60950-1 IEC/EN 60825 Laser Safety ACA TS001 AS/NZS 60950 FDA: Code of Federal Regulations Laser Safety

The next steps...

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