Tel: +44 (0)1279 408 777
Email: sales@gocomsys.com
Website: www.gocomsys.com

Refurbished CISCO ASR-9922-RP-SE Datasheet

CISCO > ROUTERS

Cisco ASR 9000 Series Aggregation Services Routers

Features and Benefits of Cisco ASR 9900 Route Processor

Feature	Benefit
Highly scalable fabric	Designed to support high 1/10/100-Gbps port densities Provides built-in scalability for investment protection
Control of up to seven switch fabric cards	Offers traffic load balancing simultaneously across up to seven fabrics
Distributed forwarding plane architecture	Allows line cards to support independent forwarding for enhanced performance and scale
Control plane extension ports	Combining the redundant pair of chassis into a single logical entity provides advantages in management, scalability, and high availability.
Memoryless switch fabric	Provides transparent nonblocking low-latency packet forwarding
Virtual output queuing and arbitration	Offers service intelligence with prioritization of traffic (unicast and multicast) Provides efficient congestion management mechanism and avoids problems related to head-of-line blocking
Centralized arbiter	Uses an efficient credit mechanism to help ensure transparent switchover with zero packet loss
IEEE 1588 support	Delivers timing services over the packet network efficiently and reliably
Two independent clock source connections: BITS and Synchronization Supply Unit (SSU) DTI	Offers redundant, centralized network synchronization support
Two 16-GB solid state drives (SSDs)	Allows storing of core dumps and helps reduce the system mean time to repair (MTTR)
Embedded Universal Series Bus (eUSB) memory port	Provides access to on board USB flash memory devices for software image storing and upgrades
Front-pane external Universal Serial Bus (USB) 2.0 port	Provides access to USB flash memory devices for quick software image loading and recovery
Front-panel LEDs	Provides visual indication of route processor status (active or standby), power management, and activity on compact flash and hard disk drive (HDD)
Management ports	Provides easy access to system console

Cisco ASR 9900 Route Processor Hardware

Product Number	
Product Number	Product Description
ASR-9900-RP-TR and ASR-9900-RP-SE	Route processor, bidirectional nonblocking fabric, controller, two 16-GB SSDs; includes the following: Control of up to seven Cisco ASR 9900 switch fabric cards Memory internal 6-GB Error-Correcting Code (ECC)-protected DRAM for ASR-9900-RP-TR 12-GB ECC-protected DRAM for ASR-9900-RP-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)

Product Specifications

Environmental Specifications

Operating temperature (short-term)	23 to 131ºF (-5 to 55ºC) Note: Short-term refers to a period of not more than 96 consecutive hours and a total of not more than 15 days in 1 year (a total of 360 hours in any given year, but no more than 15 occurrences during that 1-year period).
Operating humidity (nominal) (relative humidity)	10 to 85 percent
Operating humidity (short-term)	5 to 90 percent Note: Not to exceed 0.024 kg water or dry air
Storage temperature	-40 to 158ºF (-40 to 70ºC)
Storage (relative humidity)	5 to 95 percent Note: Not to exceed 0.024 kg water or dry air.

Compliance

Network Equipment Building Standards (NEBS)	Cisco ASR 9900 is designed to meet these standards: SR-3580: NEBS Criteria Levels (Level 3) GR-1089-CORE: NEBS Electromagnetic Compatibility (EMC) and Safety GR-63-CORE: NEBS Physical Protection VZ.TPR.9205: Verizon TEEER
ETSI standards	Cisco ASR 9900 is designed to meet these standards (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 9900 is designed to meet these standards: 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 9900 is designed to meet these standards: 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 9900 is designed to meet these standards: 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...

ORDER NOW

VIEW ONLINE

Tel: +44 (0)1279 408 777

Email: sales@gocomsys.com

Website: www.gocomsys.com