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Refurbished CISCO A99-SFC2 Datasheet

CISCO > ROUTERS

Cisco ASR 9000 Series Aggregation Services Routers

Features and Benefits of ASR 9900 SFC2, SFC-S and SFC-T

Highly scalable fabric	Designed to support high 1-, 10-, and 100-Gbps port densities Provides built-in scalability for investment protection
Up to seven switch fabrics	Offers traffic load balancing simultaneously across up to seven fabrics On the ASR 9922 and ASR 9912 Routers, those seven fabrics are located on seven dedicated fabric cards On the ASR 9910 and ASR 9906, two fabrics are built in on the route switch processor, and five fabrics are located on five dedicated fabric cards
Memoryless switch	Provides transparent nonblocking, low-latency packet forwarding
Fabric	Single-stage, nonblocking, and packet-based
Fabric speed	230 Gbps per fabric card
Fabric redundancy per system	N + 1 up to seven fabrics

Technical Specifications for the ASR 9900 SFC2, SFC-S and SFC-T

FPGA	Field-programmable gate array
Serial Peripheral Interface Flash	2 SPI Flash with 128 Mb
Nonvolatile RAM (NVRAM)	128Kb
Double Data Rate 3 (DDR3)	256 MB
Software release	Cisco IOS XR Software Release 5.3.0 (for SFC2) Cisco IOS XR Software Release 6.0.1 (for SFC-S) Cisco IOS XR Software Release 6.3.1 (for SFC-T)

Product Specifications

Environmental Specifications

Operating temperature (nominal)	32 to 104°F (0 to 40°C)
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)	5 to 90%
Storage temperature	-40 to 158ºF (-40 to 70ºC)
Storage (relative humidity)	5 to 93%

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 platforms are 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 emission	Cisco ASR 9900 platforms are 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
EMC standards immunity	Cisco ASR 9900 platforms are 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 platforms are 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...

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