

Refurbished CISCO A920-PWR400-A Datasheet

CISCO > ROUTERS

Cisco ASR 920 Series Aggregation Services Router

Cisco ASR 920 Router System Specifications

Physical specifications1 (H x W x D)

Physical specifications (H x W x D)	ASR-920-12SZ-IM/ASR-920-12SZ-IM-CC: 1.73 x 17.5 x 11.28 in. (44 x 444.5 x 286.54 mm), 1RU ASR-920-24SZ-M: 1.72 x 17.5 x 10 in. (43.7 x 444.5 x 255 mm), 1RU ASR-920-24TZ-M: 1.72 x 17.5 x 10 in. (43.7 x 444.5 x 255 mm), 1RU ASR-920-24SZ-IM: 2.6 x 17.5 x 10.6 in. (66 x 444.5 x 270 mm), 1.5RU (with IM)
Weight	ASR-920-12SZ-IM/ASR-920-12SZ-IM-CC: 9.25 lb (4.2 kg) - empty chassis ASR-920-24TZ-M: 8.3 lb (3.8 kg) - empty chassis ASR-920-24SZ-M: 8.5 lb (3.9kg) - empty chassis ASR-920-24SZ-IM: 10.3 lb (4.7kg) - empty chassis ASR-920-12SZ-IM: 13.44 lb (6.1 kg) with two AC PSU and IM card ASR-920-24TZ-M: 10.5 lb (4.8 kg) with two AC PSU ASR-920-24SZ-M: 10.5 lb (4.8 kg) with two AC PSU ASR-920-24SZ-IM: 14.1 lb (6.4 kg) with two AC PSU and IM card
Rack mounts	ETSI rack-mount kit 19-in. rack-mount kit 23-in. rack-mount kit
Air flow	Front-to-Back airflow (ASR-920-12SZ-IM/ASR-920-12SZ-IM-CC, ASR-920-24TZ-M, ASR-920-24SZ-M) Front-to-Back & Side-to-Back airflow (ASR-920-24SZ-IM)
Power supplies	2 power supplies (AC or DC)
Mean time between failures (MTBF) (hours)	ASR-920-12SZ-IM/ASR-920-12SZ-IM-CC: 407,230 ASR-920-24TZ-M: 582,610 ASR-920-24SZ-M: 546,260 ASR-920-24SZ-IM: 471,530 A920-PWR400-A: 356,809 A920-PWR400-D: 331,879 ASR-920-FAN-TRAY: 2,811,680 ASR-920-FAN-F: 2,581,770 ASR-920-FAN-M: 2,681,720 ASR-920-PWR-A: 1,598,000 ASR-920-PWR-D: 1,129,417

Power Specifications

Description	Cisco ASR 920 Router
Power consumption	ASR-920-12SZ-IM/ASR-920-12SZ-IM-CC: Max 150W, Typical: 130W (without PoE) ASR-920-24TZ-M: Max 130W, Typical: 100W ASR-920-24SZ-M: Max 145W, Typical: 110W ASR-920-24SZ-IM: Max 180W, Typical: 130W
AC input voltage and frequency	Voltage range: 85V AC to 264V AC, nominal 100V AC to 240V AC Frequency Range: 47 to 63 Hz, nominal 50 to 60 Hz
DC input voltage	Voltage range: -18 to -32 VDC or -36 to -72 VDC, nominal: -24 VDC/-48 VDC Voltage range (ASR-920-12SZ-IM/ASR-920-12SZ-IM-CC): -18 VDC to -32 VDC or -40 VDC to -72 VDC nominal -24VDC/-48VDC/-60VDC

Environmental Specifications

Description	Cisco ASR 920 Router
Operating environment and altitude	-40 to 70°C, up to 1,000 feet (300m)

	-40 to 65°C, up to 6,000 feet (1800m) -40 to 55°C, up to 13,000 feet (4000m)
Relative humidity	5 to 95 percent, noncondensing
Acoustic noise	Acoustic noise peak operation maximum 55 dBA (59 dBA for ASR-920-12SZ-IM/ASR-920-12SZ-IM-CC) sound pressure level, bystander position for rack-mount products at 20°C operation as measured by ISO 7779 NAIS noise measurement test standard. Acoustic noise peak operation compliant to the 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.
Storage environment	Temperature: -40 to 70°C altitude: 15,000 feet (4570m)
Seismic	Zone 4

Safety and Compliance

Type	
Type	Standards
Safety	UL 60950-1, 2005 CAN/CSA C22.2 No. 60950-1: 2005 IEC 60950-1, 2005 EN 60950-1, 2005 AS/NZS 60950.1:2005
Electromagnetic Emissions compliance	FCC CFR47 Part 15 Class A 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
Power substation system compliance	IEC-61850-3 (2002) (ASR-920-12SZ-IM) IEEE1613 (2009) (ASR-920-12SZ-IM)
NEBS	GR-63-CORE GR-1089-CORE SR-3580 NEBS Level 4
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	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

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