

Refurbished CISCO A900-IMA8S Datasheet

CISCO > ROUTERS

Cisco ASR 900 Series Aggregation Services Routers

Cisco ASR 914 Series Interface Module Compatibility Matrix – RSP3C

Slot 0	16.5.1
Slot 1	16.5.1
Slot 2	16.5.1
Slot 5	16.5.1
Slot 6	16.5.1
Slot 9	16.5.1
Slot 10	16.5.1
Slot 13	16.5.1
Slot 14	16.5.1
Slot 15	16.5.1

Cisco ASR 907 Series Interface Module Compatibility Matrix – RSP3C

Slot 0	3.16.1S
Slot 1	3.16.1S
Slot 2	3.16.1S
Slot 5	3.16.1S
Slot 6	3.16.1S
Slot 9	3.16.1S
Slot 10	3.16.1S
Slot 13	3.16.1S
Slot 14	3.16.1S
Slot 15	3.16.1S

Cisco ASR 900 Series Interface module specifications

Features

Port density	8-port Gigabit Ethernet SFP 8-port Gigabit Ethernet RJ45 8-port Gigabit Ethernet SFP and 1-port 10 Gigabit Ethernet SFP+ 8-port Gigabit Ethernet RJ45 and 1-port 10 Gigabit Ethernet SFP+ 8/16-port Gigabit Ethernet SFP/C-SFP and 1-port 10 Gigabit Ethernet SFP+ / 2-port Gigabit Ethernet C-SFP 1-port 10 Gigabit Ethernet, XFP 2-port 10 Gigabit Ethernet, SFP+/XFP 8-port 10 Gigabit Ethernet, SFP/SFP+ 2-port 40 Gigabit Ethernet, QSFP 1-port 100 Gigabit Ethernet, CPAK 8-port T1/E1 TDM
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	16-port T1/E1 TDM 32-port T1/E1 TDM 48-port T1/E1 TDM 48-port T3/E3 TDM 8-port OC3/12/48/STM-1/-4/-16 SFP or 1-Port OC192/STM-64 SFP+ 6-port 2-wire/4-wire E&M 4-port C37.94 14-port Serial Asynchronous Serial RS-232/X.21 4-port OC3/STM-1 or 1-port OC12/STM-4 TDM 12-port T1/E1 + 4-port DS3/E3 + 4-port OC3/STM-1 or 4-port OC12/STM-4 or 1-port OC48/STM-16
Power draw	8-port Gigabit Ethernet SFP: 17W maximum 8-port Gigabit Ethernet RJ45: 17W maximum 8-port Gigabit Ethernet SFP and 1-port 10 Gigabit Ethernet SFP+: 15W typical, 29W maximum 8-port Gigabit Ethernet RJ45 and 1-port 10 Gigabit Ethernet SFP+: 27W maximum 8/16-port Gigabit Ethernet SFP/C-SFP and 1-port 10 Gigabit Ethernet SFP+ / 2-port Gigabit Ethernet C-SFP: 42W typical, 54W maximum 1-port 10 Gigabit Ethernet, XFP: 13W maximum 2-port 10 Gigabit Ethernet, SFP+/XFP: 25W maximum 8-port 10 Gigabit Ethernet SFP/SFP+: 53W typical, 57W maximum 2-port 40 Gigabit Ethernet QSFP: 45W typical, 53W maximum 1-port 100 Gigabit Ethernet CPAK: 50W maximum 8-port T1/E1 TDM: 14W typical, 18W maximum 16-port T1/E1 TDM: 14W typical, 18W maximum 32-port T1/E1 TDM: 14W typical, 18W maximum 48-port T1/E1 TDM: 30W typical, 35W maximum 48-port T3/E3 TDM: 44W typical, 52W maximum 8-port OC3/12/48/STM-1/-4/-16 SFP or 1-Port OC192/STM-64 SFP+: 78W typical, 92W maximum 6-port 2-wire/4-wire E&M: 33W maximum 4-port C37.94: 18W maximum 14-port Serial Asynchronous Serial RS-232/X.21: 31W maximum 4-port OC3/STM-1 or 1-port OC12/STM-4 TDM: 30W maximum 12-port T1/E1 + 4-port DS3/E3 + 4-port OC3/STM-1 or 4-port OC12/STM-4 or 1-port OC48/STM-16: 54W maximum port OC3/12/48/STM-1/-4/-16 SFP or 1-Port OC192/STM-64 SFP+ (A900-IMA1Z8S-CXMS): 77W typical, 96W maximum
Module shipment weight	8-port Gigabit Ethernet SFP: 2.18 lbs 8-port Gigabit Ethernet RJ45: 2.15 lbs 8-port Gigabit Ethernet SFP and 1-port 10 Gigabit Ethernet SFP+: 3.4 lbs 8/16-port Gigabit Ethernet SFP/C-SFP and 1-port 10 Gigabit Ethernet SFP+ / 2-port Gigabit Ethernet C-SFP: 3.5 lbs 1-port 10 Gigabit Ethernet, XFP: 2.03 lbs 2-port 10 Gigabit Ethernet, SFP+/XFP: 1.8 lbs 8-port 10 Gigabit Ethernet SFP/SFP+: 3.8 lbs 2-port 40 Gigabit Ethernet QSFP: 2.55 lbs 1-port 100 Gigabit Ethernet CPAK: 2.23 lbs 8-port T1/E1 TDM: 2.13 lbs 16-port T1/E1 TDM: 2.13 lbs 32-port T1/E1 TDM: 1.91 lbs 48-port T1/E1 TDM: 2.1 lbs 48-port T3/E3 TDM: 2.1 lbs 8-port OC3/12/48/STM-1/-4/-16 SFP or 1-Port OC192/STM-64 SFP+: 2.5 lbs 6-port 2-wire/4-wire E&M: 2.1 lbs 4-port C37.94: 1.48 lbs 14-port Serial Asynchronous Serial RS-232/X.21: 2.1 lbs 4-port OC3/STM-1 or 1-port OC12/STM-4 TDM: 2.1 lbs 12-port T1/E1 or 4-port DS3/E3 + 4-port OC3/STM-1 or 4-port OC12/STM-4 or 1-port OC48/STM-16: 3 lbs 8-port OC3/12/48/STM-1/-4/-16 SFP or 1-Port OC192/STM-64 SFP+ (A900-IMA1Z8S-CXMS): 1.7 lbs
Module shipment package size (LxWxH)	15.44 x 9.44 x 4.31 inches
Environmental specifications	40 to 65°C (–40 to 149°F) operating temperature (using Industrial temperature XFP, SFP, and SFP+ optics) 0 to 40°C (32 to 104°F) operating temperature (CPAK and QSFP optics)
Relative humidity	5 to 95%, noncondensing
Storage environment	Temperature: –40 to 70°C (–40 to 158°F) altitude: 4570 m (15,000 ft)
MTBF at 40°C (104°F) operating temperature	8-port Gigabit Ethernet SFP: 2,987,310 hours 8-port Gigabit Ethernet RJ45: 3,262,980 hours 8-port Gigabit Ethernet SFP and 1-port 10 Gigabit Ethernet SFP+: 2,257,780 hours 8/16-port Gigabit Ethernet SFP/C-SFP and 1-port 10 Gigabit Ethernet SFP+ / 2-port Gigabit Ethernet C-SFP: 1,256,050 hours 8-port Gigabit Ethernet RJ45 and 1-port 10 Gigabit Ethernet SFP+: 2,346,710 hours 1-port 10 Gigabit Ethernet, XFP: 3,604,370 hours 2-port 10 Gigabit Ethernet, SFP+/XFP: 2,574,880 hours 8-port 10 Gigabit Ethernet SFP/SFP+: 1,661,460 hours 2-port 40 Gigabit Ethernet QSFP: 1,926,830 hours 1-port 100 Gigabit Ethernet CPAK: 1,715,860 hours

8-port T1/E1 TDM: 1,164,010 hours
 16-port T1/E1 TDM: 787,060 hours
 32-port T1/E1 TDM: 445,660 hours
 48-port T1/E1 TDM: 674,640 hours
 48-port T3/E3 TDM: 654,090 hours
 8-port OC3/12/48/STM-1/-4/-16 SFP or 1-Port OC192/STM-64 SFP+: 918,850 hours
 6-port 2-wire/4-wire E&M: 418,750 hours
 4-port C37.94: 1,493,730 hours
 14-port Serial Asynchronous Serial RS-232/X.21: 1,420,010 hours
 4-port OC3/STM-1 or 1-port OC12/STM-4 TDM: 1,493,730 hours
 12-port T1/E1 + 4-port DS3/E3 + 4-port OC3/STM-1 or 4-port OC12/STM-4 or 1-port OC48/STM-16:
 945,140 hours
 8-port OC3/12/48/STM-1/-4/-16 SFP or 1-Port OC192/STM-64 SFP+ (A900-IMA1Z8S-CXMS):
 924,860 hours

Reliability and availability

OIR field-replaceable SFP optics modules
 Support for both 1+1 SONET Automatic Protection Switching (APS) and SDH Linear Multiplexer
 Section Protection (MSP) protocols
 Single interface module software reset
 Rolling software upgrade, interface module by interface module

Cisco ASR 900 Series interface modules

Part Number

Description

ASR 900 8 port SFP Gigabit Ethernet Interface Module

The next steps...

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