

Troubleshooting

This chapter provides information about troubleshooting issues, if any, on the Cisco ASR 920 Series Aggregation Services Router:

- Pinouts, on page 1

Pinouts

The following sections describe the pinouts for the Cisco ASR 920 Series Router interfaces:

Alarm Port Pinouts

Table below summarizes the external alarm input pinouts.

Table 1: External Alarm Input Pinouts

Pin	Signal Name	Description
1	ALARM0_IN	Alarm input 0
2	ALARM1_IN	Alarm input 1
3	—	No connect
4	ALARM2_IN	Alarm input 2
5	ALARM3_IN	Alarm input 3
6	—	No connect
7	—	No connect
8	COMMON	Alarm common

Management Ethernet Port Pinouts

Table below summarizes the Management Ethernet port pinouts.

Table 2: Fan Alarm Port Pinout

Pin	Signal Name
1	TRP0+
2	TRP0-
3	TRP1+
4	TRP2+
5	TRP2-
6	TRP1-
7	TRP3+
8	TRP3-

USB Console Port Pinouts

Table below summarizes the USB console port pinouts.

Table 3: Single USB Console Port Pinouts

Pin	Signal Name	Description
A1	Vcc	+5VDC
A2	D-	Data -
A3	D+	Data +
A4	Gnd	Ground

Note The USB console port +5VDC is input, and operates as an USB peripheral device.

USB MEM Port Pinouts

Table below summarizes the USB MEM port pinouts.

Table 4: Single USB MEM Port Pinouts

Pin	Signal Name	Description
A1	Vcc	+5VDC (500mA)
A2	D-	Data -

Pin	Signal Name	Description
A3	D+	Data +
A4	Gnd	Ground

Note USB TYPE-A receptacle is used.

Note The USB MEM port +5VDC is output. Cisco ASR 920 Series Aggregation Services Router provides power for USB MEM port. This port operates as a USB host device.

Optical Fiber Specifications

The specification for optical fiber transmission defines two types of fiber: single mode and multimode. Within the single-mode category, three transmission types are defined: short reach, intermediate reach, and long reach. Within the multimode category, only short reach is available. For information about optical SFP modules, see the documentation for the SFP module at:

http://www.cisco.com/en/US/partner/products/hw/modules/ps5455/prod_installation_guides_list.html .

Alarm Conditions

Table below summarizes the meaning of the alarm conditions on the Cisco ASR 920 Series Router.

Table 5: Alarm Condition Summary

Alarm Type	Alarm Meaning
Critical	Port in down state or only single power supply operational Environmental sensor threshold exceeded critical level (voltage, temperature)
Major	Environmental sensor threshold exceeded major level (voltage, temperature)
Info	Port administratively shut down.