



Cabling Specifications

This appendix provides the following cabling and pinout information for the Cisco AS5350 universal gateway:

- Console and Auxiliary Port Cables and Pinouts, page C-1
- Ethernet Port Pinouts, page C-5
- BITS Port Pinouts, page C-5
- Alarm Port Pinouts, page C-5
- Bantam Jack Port Pinouts, page C-5



Note

This appendix provides cabling information for chassis connections only. For cabling information for the Cisco AS5350 dial feature cards, see the *Cisco AS5350 Universal Gateway Card Installation Guide*.



Note

This appendix specifies pinouts only for the pins used. Pins not listed in the tables in this appendix are not connected.

Console and Auxiliary Port Cables and Pinouts

The universal gateway arrives with a console and auxiliary cable kit, which contains the cable and adapters you need to connect a console (an ASCII terminal or PC running terminal emulation software) or modem to your universal gateway. The console and auxiliary cable kit includes:

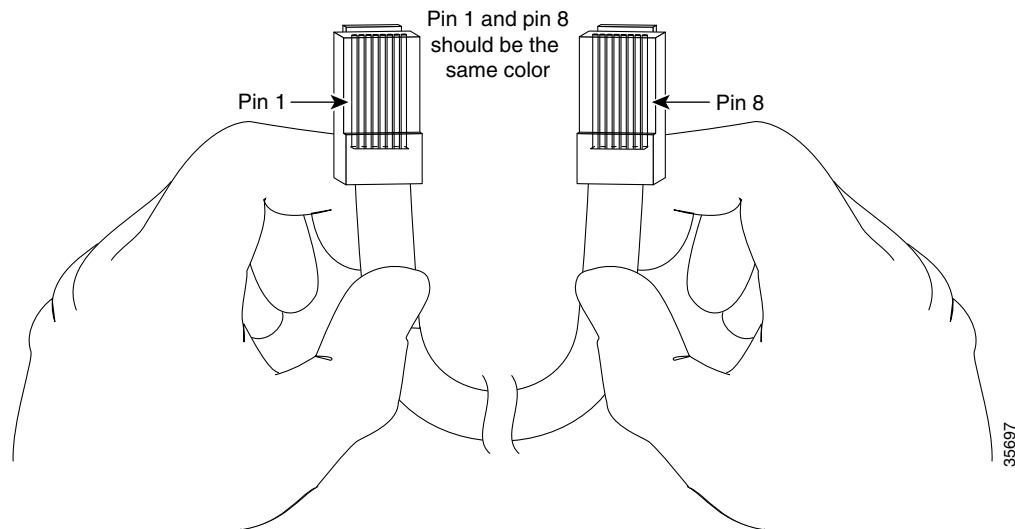
- RJ-45-to-RJ-45 rollover cable (See the next section, “Identifying a Rollover Cable,” for more information).
- RJ-45-to-DB-9 female DTE adapter (labeled TERMINAL).
- RJ-45-to-DB-25 female DTE adapter (labeled TERMINAL).
- RJ-45-to-DB-25 male DCE adapter (labeled MODEM).

For console connections, proceed to the “Console Port Cables and Pinouts” section on page C-2. For modem connections, proceed to the “Auxiliary Port Cables and Pinouts” section on page C-4.

Identifying a Rollover Cable

You can identify a rollover cable by comparing the two modular ends of the cable. Holding the cables side-by-side, with the tab at the back, the wire connected to the pin on the outside of the left plug should be the same color as the wire connected to the pin on the outside of the right plug. (See Figure C-1.) If your cable was purchased from Cisco Systems, pin 1 will be white on one connector, and pin 8 will be white on the other connector (a rollover cable reverses pins 1 and 8, 2 and 7, 3 and 6, and 4 and 5).

Figure C-1 Identifying a Rollover Cable



Console Port Cables and Pinouts

Use the RJ-45-to-RJ-45 rollover cable and RJ-45-to-DB-9 female DTE adapter (labeled TERMINAL) to connect the console port to a PC running terminal emulation software. Figure C-2 shows how to connect the console port to a PC. Table C-1 lists the pinouts for the asynchronous serial console port, the RJ-45-to-RJ-45 rollover cable, and the RJ-45-to-DB-9 female DTE adapter (labeled TERMINAL).

Figure C-2 Connecting the Console Port to a PC

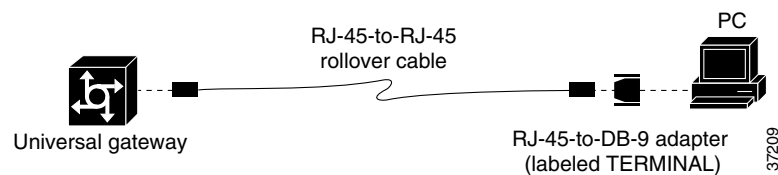
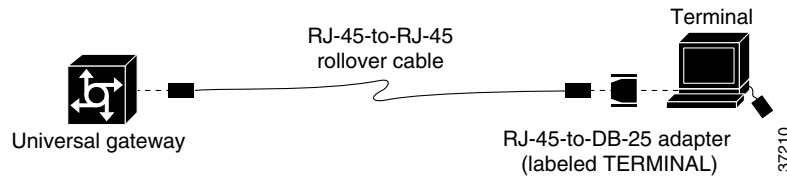


Table C-1 Console Port Signaling and Cabling Using a DB-9 Adapter

Console Port (DTE)	RJ-45-to-RJ-45 Rollover Cable		RJ-45-to-DB-9 Terminal Adapter	Console Device
	RJ-45 Pin	RJ-45 Pin	DB-9 Pin	
RTS	1 ¹	8	8	CTS
DTR	2	7	6	DSR
TxD	3	6	2	RxD
GND	4	5	5	GND
GND	5	4	5	GND
RxD	6	3	3	TxD
DSR	7	2	4	DTR
CTS	8 ¹	1	7	RTS

1. Pin 1 is connected internally to pin 8.

Use the RJ-45-to-RJ-45 rollover cable and RJ-45-to-DB-25 female DTE adapter (labeled TERMINAL) to connect the console port to a terminal. Figure C-3 shows how to connect the console port to a terminal. Table C-2 lists the pinouts for the asynchronous serial console port, the RJ-45-to-RJ-45 rollover cable, and the RJ-45-to-DB-25 female DTE adapter (labeled TERMINAL).

Figure C-3 Connecting the Console Port to a Terminal**Table C-2 Console Port Signaling and Cabling Using a DB-25 Adapter**

Console Port (DTE) ¹	RJ-45-to-RJ-45 Rollover Cable		RJ-45-to-DB-25 Terminal Adapter	Console Device
	RJ-45 Pin	RJ-45 Pin	DB-25 Pin	
RTS	1 ²	8	5	CTS
DTR	2	7	6	DSR
TxD	3	6	3	RxD
GND	4	5	7	GND
GND	5	4	7	GND
RxD	6	3	2	TxD
DSR	7	2	20	DTR
CTS	8 ¹	1	4	RTS

1. You can use the same cabling to connect a console to the auxiliary port.

2. Pin 1 is connected internally to pin 8.

Auxiliary Port Cables and Pinouts

Use the RJ-45-to-RJ-45 rollover cable and RJ-45-to-DB-25 male DCE adapter (labeled MODEM) to connect the auxiliary port to a modem. Figure C-4 shows how to connect the auxiliary port to a modem. Table C-3 lists the pinouts for the asynchronous serial auxiliary port, the RJ-45-to-RJ-45 rollover cable, and the RJ-45-to-DB-25 male DCE adapter (labeled MODEM).

Figure C-4 Connecting the Auxiliary Port to a Modem

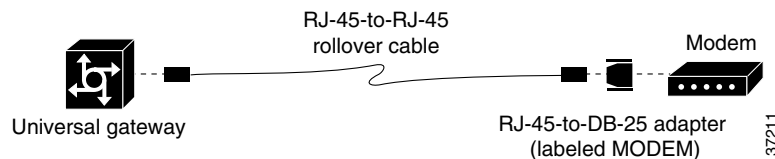


Table C-3 Auxiliary Port Signaling and Cabling Using a DB-25 Adapter

AUX Port (DTE)	RJ-45-to-RJ-45 Rollover Cable		RJ-45-to-DB-25 Modem Adapter	Modem
	RJ-45 Pin	RJ-45 Pin	DB-25 Pin	
Signal				Signal
RTS	1	8	4	RTS
DTR	2	7	20	DTR
TxD	3	6	3	TxD
GND	4	5	7	GND
GND	5	4	7	GND
RxD	6	3	2	RxD
DSR	7	2	8	DCD
CTS	8	1	5	CTS

Ethernet Port Pinouts

Table C-4 lists the pinouts for the Ethernet ports.

Table C-4 10/100BASE-T Port Pinouts

RJ-45 Pin	Description
1	TXD+
2	TXD-
3	RXD+
4	-
5	-
6	RXD-
7	-
8	-

BITS Port Pinouts

Table C-5 BITS Port Pinouts

Pin	Description
1	BITS signal
2	Ground

Alarm Port Pinouts

Table C-6 Alarm Port Pinouts

Pin	Description
1	Normally open
2	Pole
3	Normally closed

Bantam Jack Port Pinouts

Table C-7 Bantam Jack Port Pinouts

Pin	Description
1	Tip
2	Ring

