



Connectors

Rear Panel Connectors

Figure A-2 through Figure A-4 show the connectors located on the rear panels of the Cisco 600 series CPEs.

Figure A-1 Rear View of the Cisco 633

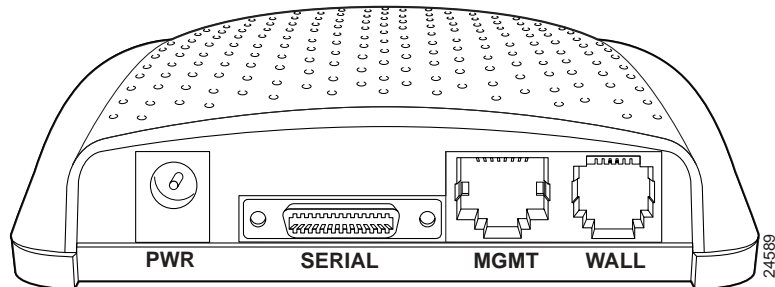
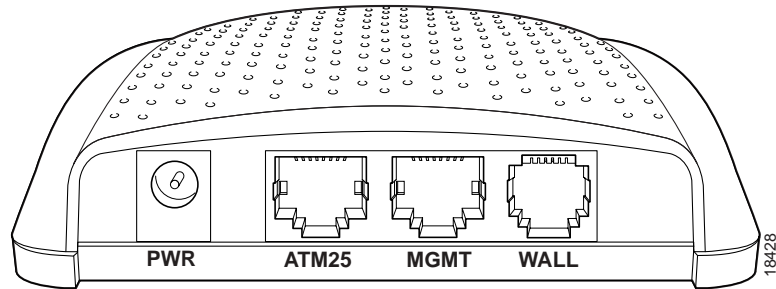
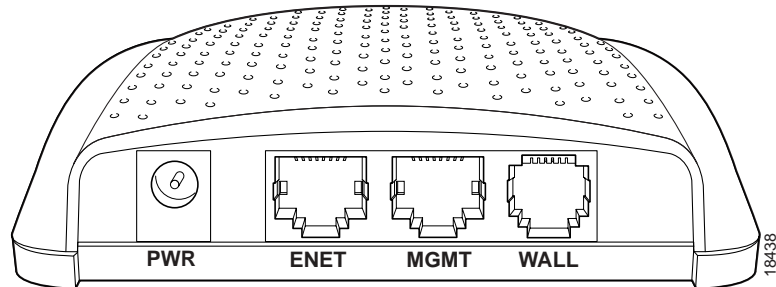
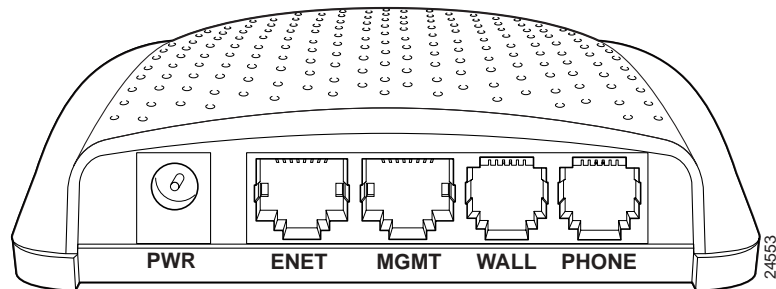


Figure A-2 Rear View of the Cisco 627**Figure A-3 Rear View of the Cisco 673, Cisco 675e, Cisco 676 and Cisco 677****Figure A-4 Rear View of the Cisco 675 and Cisco 678**

The following ports are located on the backside of the Cisco 600 series CPEs.

Table A-1 Rear Panel Connector

Interface	626	627	633	673	675	675e	676	677	678
Serial (Blue) - Serial Interface									
ATM25—LAN Interface									
ENET (yellow) - LAN Interface									
MGMT (light blue) - Management Interface									
WALL (lavender) - ADSL/SDSL Port Interface									
PHONE (gray) - Phone interface (must use microfilter between PHONE port and telephone)									
PHONE (gray) - No microfilter needed									

These interfaces are described in the following sections.

Serial Interface (Cisco 633)

The serial interface uses 12-in-1 V.35 Data Terminal Equipment (DTE) serial connector. This interface connects to a 5-in-1 V.35 Data Communications Equipment (DCE) serial port on a Cisco router.

12-in-1 Connector to 5-in-1 Connector Pinouts

Table A-2 12-in-1 to 5-in-1 Connector Pinouts

FROM	SB	SIGNAL	NOTE	SIGNAL	SB	TO
J1-21	X	MODE_2	LOCAL CONNECTIONS	MODE_2	X	J2-47
				GND	X	J2-48
				GND	X	J2-51
				MODE_DCE	X	J2-52
			SHIELD	SHIELD GND		J2-46
J1-5 J1-18		I_RXD/TXD+ I_RXD/TXD-	TWISTED PAIR # 5	O_TXD/RXD+ O_TXD/RXD-		J2-11 J2-12
J1-11 J1-10		I_CTS/RTS+ I_CTS/RTS-	TWISTED PAIR # 3	O_RTS/CTS+ O_RTS/CTS-		J2-9 J2-10
J1-1 J1-14		O_TXD/RXD+ O_TXD/RXD-	TWISTED PAIR # 8	I_RXD/TXD+ I_RXD/TXD-		J2-28 J2-27
J1-8 J1-9		O_RTS/CTS+ O_RTS/CTS-	TWISTED PAIR # 2	I_CTS/RTS+ I_CTS/RTS-		J2-1 J2-2
J1-2 J1-15		O_TXCE/RX C+ O_TXCE/RX C-	TWISTED PAIR # 7	I_RXC/TXCE + I_RXC/TXCE- -		J2-26 J2-25
J1-26	X	GND NOT USED	TWISTED PAIR # 1	GND NOT USED		J2-15
		NOT USED NOT USED	TWISTED PAIR # 4	NOT USED NOT USED		

J1 is 12-in-1 plug and J2 is 5-in-1 plug. J1 is DCE and J2 is DTE

SB = Shorting Block

X = Connection to Shorting Block

Note: Shorting Block on J2 should be grouped as shown

Table A-2 12-in-1 to 5-in-1 Connector Pinouts (continued)

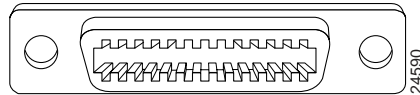
		NOT USED		NOT USED		
		NOT USED	TWISTED PAIR # 6	NOT USED		
		NOT USED	TWISTED PAIR # 9	NOT USED		
		NOT USED		NOT USED		

J1 is 12-in-1 plug and J2 is 5-in-1 plug. J1 is DCE and J2 is DTE

SB = Shorting Block

X = Connection to Shorting Block

Note: Shorting Block on J2 should be grouped as shown

Figure A-5 Front View of Serial Connector

LAN Interface

Ethernet Connector (Cisco 673, Cisco 678)

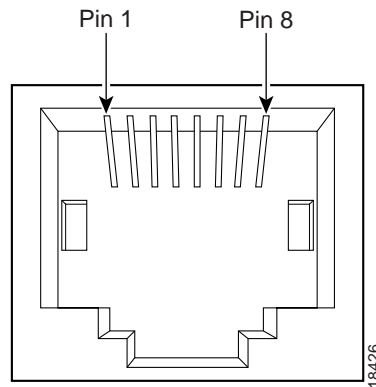
The LAN interface uses an Ethernet port that conforms to the IEEE 802.3 and 802.3u protocols and supports 10 or 100 Mbps half-duplex or full-duplex data rates on Category 3 (10 Mbps) or Category 5 (10/100 Mbps) twisted-pair wire up to 100 meters. The Ethernet connector is an RJ-45. Table A-3 shows the connector pinouts.

Table A-3 Ethernet Connector Pinouts

Pin	Signal
1	TXD+
2	TXD-

Table A-3 Ethernet Connector Pinouts

Pin	Signal
3	RXD+
6	RXD-

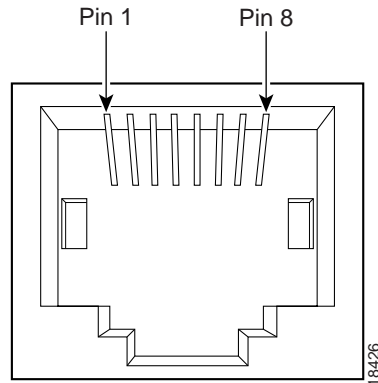
Figure A-6 Front View of Ethernet Connector

ATM25 Connector (Cisco 627)

The LAN interface uses an RJ-45 connector that conforms to the ATM Forum Specification for ATM 25.6 Mbits over a category 5 twisted-pair wire up to 100 meters. Table A-4 shows the connector pinouts.

Table A-4 ATM25 Connector Pinouts

Pin	Signal
7	TXD+
8	TXD-
1	RXD+
2	RXD-

Figure A-7 Front View of ATM25 Connector

Management Interface

The management port uses an RJ-45 connector.

If you are not using a management cable ordered from Cisco, use the pinouts in Table A-5 for the DB-9 end of the serial cable used to connect the management port to the serial port of the PC.

Management Port Pinouts

Table A-5 shows the connector pinouts for the management port and the DB-9 end of the serial cable.

Table A-5 Management Connector Pinouts

Signal	Management Port (RJ-45 Pin)	RJ-45-to-DB-9 Serial Cable (DB-9 Pin)	Signal
Do not connect	1	1	Do not connect
Do not connect	2	4	Do not connect
Do not connect	3	6	Do not connect
Ground	4	5	Ground

Table A-5 Management Connector Pinouts

Signal	Management Port (RJ-45 Pin)	RJ-45-to-DB-9 Serial Cable (DB-9 Pin)	Signal
RX (input to the Cisco 600 series CPEs product)	5	3	RX (output from the PC/terminal)
TX (output from the Cisco 600 series CPEs product)	6	2	TX (input to the PC/terminal)
Do not connect	7	7	Do not connect
Do not connect	8	8	Do not connect
		9	Do not connect

**Caution**

Do not connect pins 1, 2, 3, 7, and 8 of the RJ-45 end of the serial cable or pins 1, 4, 6, 7, 8, and 9 of the DB-9 end of the serial cable. Connecting these pins might damage the CPE.

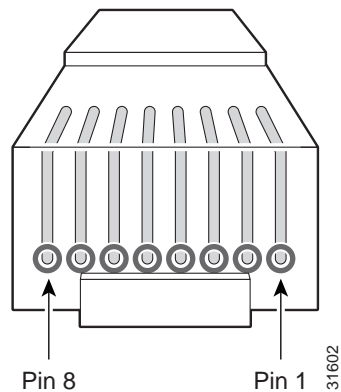
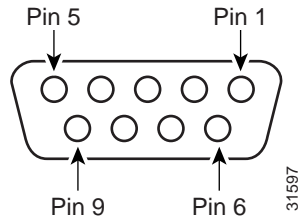
Figure A-8 Front View of RJ-45 End of the Serial Cable

Figure A-9 Front View of DB-9 End of the Serial Cable



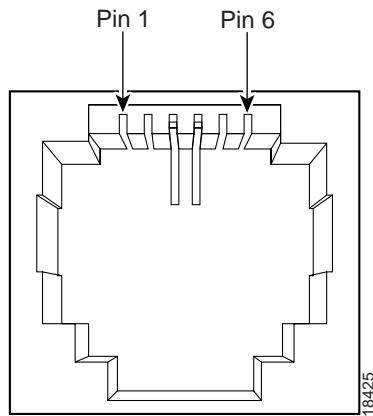
ADSL/SDSL Port Interface

The ADSL/SDSL port uses an RJ-11 connector. Table A-6 shows the connector pinouts for the ADSL/SDSL connector.

ADSL/SDSL Connector Pinouts

Table A-6 ADSL/SDSL Connector Pinouts

Pin	Signal
3	Ring
4	Tip

Figure A-10 Front View of ADSL/SDSL Connector

Phone Port Interface

The Phone port uses an RJ-11 connector. Table A-7 shows the connector pinouts for the Phone connector.

Phone Connector Pinouts

Table A-7 Phone Connector Pinouts

Pin	Signal
3	Ring
4	Tip

Figure A-11 Front View of Phone Connector

