

Connectors and Cabling

The following is a list of the FastHub summaries contained in this appendix:

- 100BaseTX port connector and cable pinouts
- 100BaseFX port connector and cable pinouts
- Network management module (NMM) port connector and cable pinouts

100BaseTX Ports

The 100BaseTX ports use standard RJ-45 connectors, as shown in Figure B-1. The pinouts are listed in Table B-1.

Figure B-1 100BaseTX Port Connector

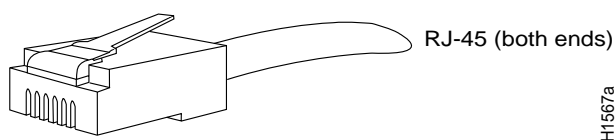


Table B-1 100BaseTX Port Connector Pinouts

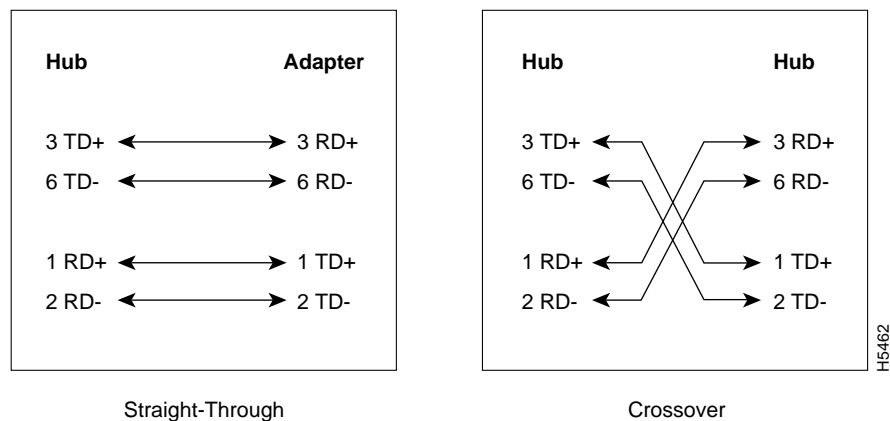
Pin	Signal
1	RD+
2	RD-

100BaseTX Ports

Pin	Signal
3	TD+
4	NC
5	NC
6	TD-
7	NC
8	NC

The shell for each connector is attached to the chassis ground. The 100BaseTX ports have their transmit (TD) and receive (RD) pairs internally crossed for attachment to an adapter using a Category 5 UTP straight-through cable. Straight-through and crossover cable schematics are shown in Figure B-2.

Figure B-2 Straight-Through and Crossover Cable Schematics

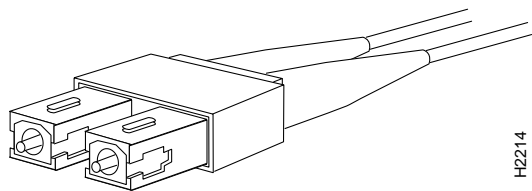


Note The 100BaseTX uplink port is not internally crossed; use standard straight-through cable for your uplink connection.

100BaseFX Port

The 100BaseFX port connector is a multimode fiber-optic SC-type connector, as shown in Figure B-3.

Figure B-3 100BaseFX SC Connector



Network Management Module Console Port

The NMM console port uses an EIA/TIA-232, 9-pin D-subminiature male connector, as shown in Figure B-4. The pinouts are listed in Table B-2.

Figure B-4 Network Management Module Port Connector

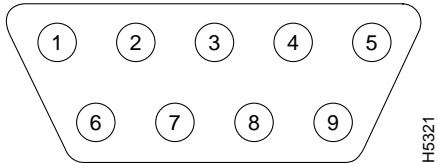


Table B-2 Network Management Module Port Connector Pinouts

Pin	Signal
1	DCD
2	RD

Network Management Module Console Port

Pin	Signal
3	TD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

The shell is connected to the chassis ground. Use the supplied null-modem cable to connect to a terminal. Use a standard modem cable to connect to a modem. The null-modem cable schematic is shown in Figure B-5. The modem cable schematic is shown in Figure B-6.

Figure B-5 Null-Modem Cable Schematic

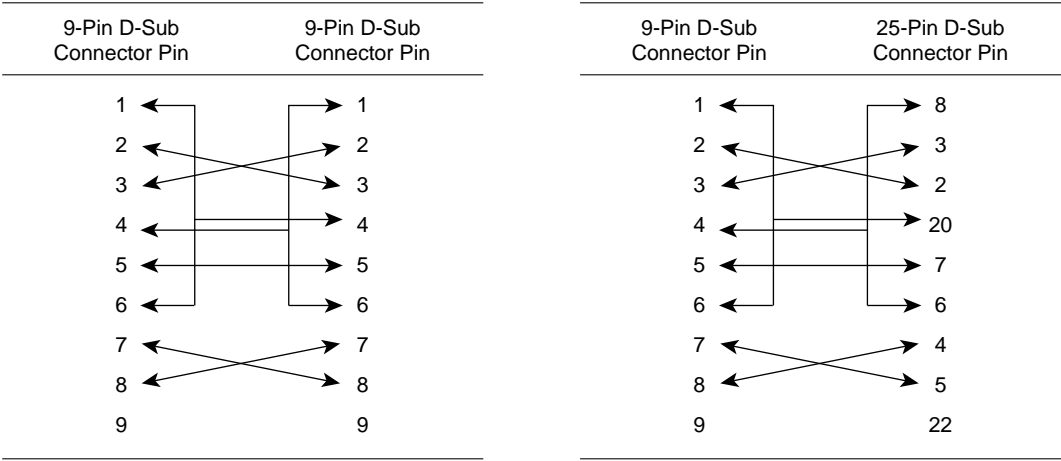
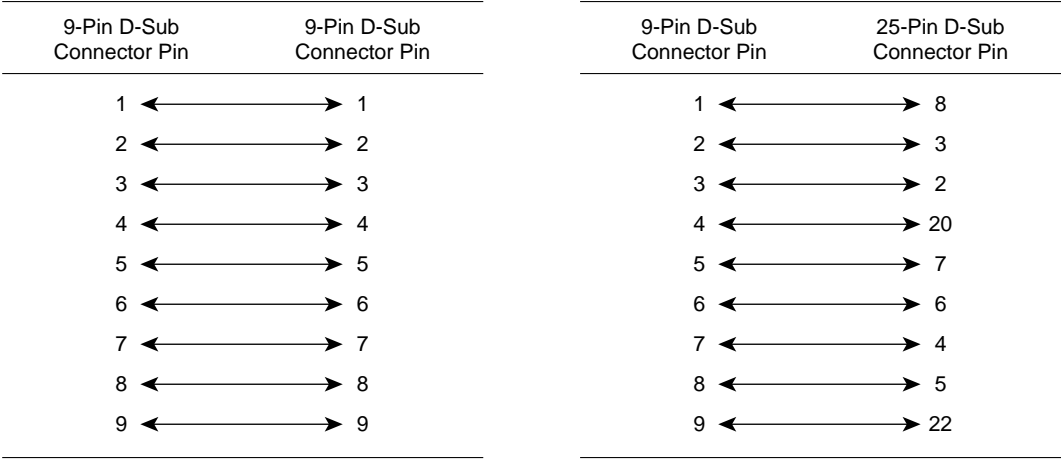


Figure B-6 Modem Cable Schematic



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Network Management Module Console Port
