

Digital voice interface hardware connects a router or access server to a line from a circuit-switched telephony device in a PBX or the public switched telephone network (PSTN).

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## Software Compatibility

To ensure that your card is compatible with your software, check the following:

- For network modules inserted into Cisco modular access routers, refer to the compatibility tables in [Overview of Cisco Network Modules for Cisco Access Routers](#).
- For interface cards inserted into Cisco modular access routers, refer to the compatibility tables in [Voice Interface Cards](#).

## Cabling

Cabling for the digital ports varies by platform:

- Cisco 1600 series, Cisco 1700 series, Cisco 2600 series, Cisco 3600 series, Cisco 3700 series, and Cisco ICS 7750 platforms that use the Multiflex Trunk Interface card use an RJ-48C cable. Refer to the [Voice Interface Cards](#) document for information about digital Cisco interface cards.
- Cisco 7200 VXR platforms use RJ-48C cables for the port adapter. See the [MIX-Multichannel T1/E1 Port Adapter Installation and Configuration Guide](#) for more information.
- Cisco AS5300 universal access servers use RJ-45 cables for the T1 or E1 interface. A VoIP feature is also required for voice traffic. See the [Cisco AS5300 Module Installation Guide](#).
- Cisco AS5350 and 5400 universal gateways use RJ-45 cables for the four-port card and a 36-pin cable to RJ-45 interface for the eight-port card. For more information about cabling these platforms, see the ["Cabling Specifications" chapter of the Cisco AS5350 and AS5400 Universal Gateway Card Installation Guide](#).

## T1/E1 Trunk and Digital Voice Port Pinouts (RJ-48)

Figure: RJ-48-to-RJ-48 T1/E1 Cable Wiring shows the RJ-48 connector wiring for the T1/E1 trunk cable and the digital voice port cable; Table: Pinouts for T1/E1 Trunk and Digital Voice Port (RJ-48) lists the pinouts.

Figure: RJ-48-to-RJ-48 T1/E1 Cable Wiring

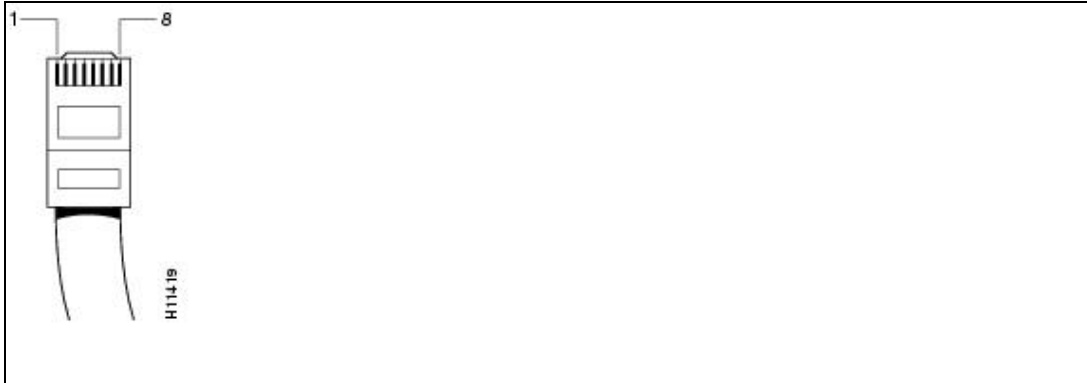


Table: Pinouts for T1/E1 Trunk and Digital Voice Port (RJ-48)

Pin	Signal
1	RX (input)
2	RX (input)
3	-
4	TX (output)
5	TX (output)
6	-
7	-
8	-

## T1/E1 Trunk and Digital Voice Port Pinouts (RJ-45)

Table: T1 or E1 Port Pinouts (RJ-45)

RJ-45 Pin	Description
1	RX tip
2	RX ring
3	RX shield
4	TX tip
5	TX ring
6	TX shield
7	-
8	-

## Shutdown Port

If the port is not operational, check to make sure the port is not shut down. Enter the **show voice port** command with the voice port number that you are troubleshooting, which tells you:

- If the voice port is up. If it is not, use the **no shutdown** command to make it active.
- What parameter values have been set for the voice port, including default values. (these do not appear in the output from **the 'show running-config' command**.) If these values do not match those of the telephony connection you are making, reconfigure the voice port.