



Numerics

10BASE-T The 10-Mbps baseband Ethernet specification that uses two pairs of twisted-pair cabling (Category 3 or 5): one pair for transmitting data and the other for receiving data.

B

BRI Basic Rate Interface. An ISDN interface composed of two bearer channels (B channels) and one data channel (D channel) for circuit-switched communication of voice, video, and data.

C

Cisco 800 Fast Step Application A Windows 95–, Windows 98–, and Windows NT–based software tool that ships with the Cisco 800 series routers for basic configurations and verification of the router software configuration. It also monitors the status of the ISDN interface, error detail, and usage statistics.

crossover Ethernet cable A cable that wires a pin to its opposite pin; for example, RX+ is wired to TX+. This cable connects two similar devices, for example, two data terminal equipment (DTE) devices or two data communications equipment (DCE) devices.

D

DRAM Dynamic RAM that stores information in capacitors that must be refreshed periodically.

E

EMI Electromagnetic interference. The interference by electromagnetic signals that can cause reduced data integrity and increased error rates on transmission channels.

ESD Electrostatic discharge. A transfer of electrostatic charge between bodies of different electrostatic potentials, such as an operator and a piece of electrical equipment. ESD occurs when electronic components are improperly handled and can damage equipment and impair electrical circuitry. ESD is more likely to occur with the combination of synthetic fibers and dry atmosphere.

F

Flash memory The nonvolatile storage that can be electrically erased and reprogrammed so that data can be stored, booted, and rewritten as necessary.

H

HUB/NO HUB button The Cisco 800 series routers provide a HUB/NO HUB button. This button is associated with the Ethernet port on Cisco 801 and Cisco 802 routers and with Ethernet port Ø on Cisco 803 and Cisco 804 routers. The setting of this button determines the cable type (straight-through or crossover) that you use to connect an Ethernet device. This button is the equivalent of the TO HUB/TO PC button on the Cisco 802 IDSL and Cisco 804 IDSL routers.

I

IDSL ISDN Digital Subscriber Line. A digital communication protocol that uses an ISDN line and supports line rates up to 144 kilobits per second (kbps).

ISDN Integrated Services Digital Network. A communication protocol that permits telephone networks to carry data, voice, and other source traffic.

N

NIC Network interface card. A board that provides network communication capabilities to and from a computer system. Also called an *adapter*.

NT1 Network Termination 1. A device that provides the interface between equipment on the customer and ISP premises.

S

straight-through Ethernet cable A cable that wires a pin to its equivalent pin. This cable connects two dissimilar devices, for example, a data terminal equipment (DTE) and a data communications equipment (DCE) device. A straight-through Ethernet cable is the most common cable used.

T

TO HUB/TO PC button The Cisco 802 IDSL and Cisco 804 IDSL routers provide a TO HUB/TO PC button that is equivalent to the HUB/NO HUB button on the other Cisco 800 series routers. This button is associated with the Ethernet port on the Cisco 802 IDSL router and with Ethernet port 1 on the Cisco 804 IDSL router. The setting of this button determines the cable type (straight-through or crossover) that you will use to connect an Ethernet device.

telephone cable The cable used to connect a device to a telephone port.

