



Digital Ethernet Multiport Office Network Repeater

Installation Information

Order Number: EK-DEMON-IN. A01

FCC NOTICE: This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

BENUTZERHINWEIS: Das Digital Ethernet Multiport Office Network Repeater in Verbindung mit IBM Personalcomputersystemem entsprechen den Funkentstöransforderungen der DBP-Verfugung 523/69 und VDE0871 Grenzwertklasse B.

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1

Overview

1.1 Description

The Digital Ethernet Multiport Office Network Repeater has five shielded or unshielded twisted-pair ports for network expansion.

The repeater can amplify, retiming, and retransmit signals from one port to another, allowing a maximum cable distance of 100 meters per port.

This installation guide shows you how to mount the repeater to a wall and connect it to the network. Before you begin, select a location to mount the repeater that best suits your needs.

1.2 Contents

Your repeater is supplied with a power cord, power supply, and two adhesive-backed Velcro pads for mounting.

1.3 Installation

1. Mount the repeater vertically (preferred) using the Velcro pads that are packaged with your unit. (**NOTE:** You can mount the repeater with screws [not included] using the two key holes to slide over the head of the screws.) See Figure 1-1.
2. Connect the power cord from the wall receptacle to the power connector on the power supply.
3. Connect the power supply cable to the power connector on the repeater. (**NOTE:** When connected to the power source, the green LED near the power connector on the rear of the unit comes on.)

4. Connect the primary I/O twisted-pair cable from the main HUB to the primary I/O port connector.
5. Connect the remaining RJ45 ports to any devices using 10Base-T compatible twisted-pair cables. (**NOTE:** The ports can be used in any order.)

1.4 LED Activity

The DECminiNET repeater has seven green LEDs (Figure 1-1).

- Ports 1 through 5 - These turn on when power is turned on. They remain on until there is network activity. Then, only the ports with network connection remain on.
- Activity - This LED (labeled with a #) turns on when there is network activity. When there is no activity, the LED is off.
- Power - This turns on when power is supplied to the repeater.

1.5 Specifications

Enclosure dimensions:	18.75 x 6.0 x 3.5 cm (7-3/8 x 2-3/8 x 1-3/8 in)
Power consumption:	3.5 W
Power supply:	H7810-AA
Operating environment:	Temperature (at sea level): 15°C - 32°C (59°F - 90°F) Relative humidity: 8% - 80% (non-condensing)
Radiated emissions:	FCC Class A VDE Class B
IEEE Compliance:	ANSI/IEEE 802.3 CSMA/CD (Ethernet) Local Area Networks Specification. (See 802.3 Repeater Rules section, Configuration Guidelines.)

1.6 Optional Equipment

Based on your wiring requirements you may need one or more of the following cables. (**Note:** xx indicates a variable for optional cable lengths that can be ordered.)

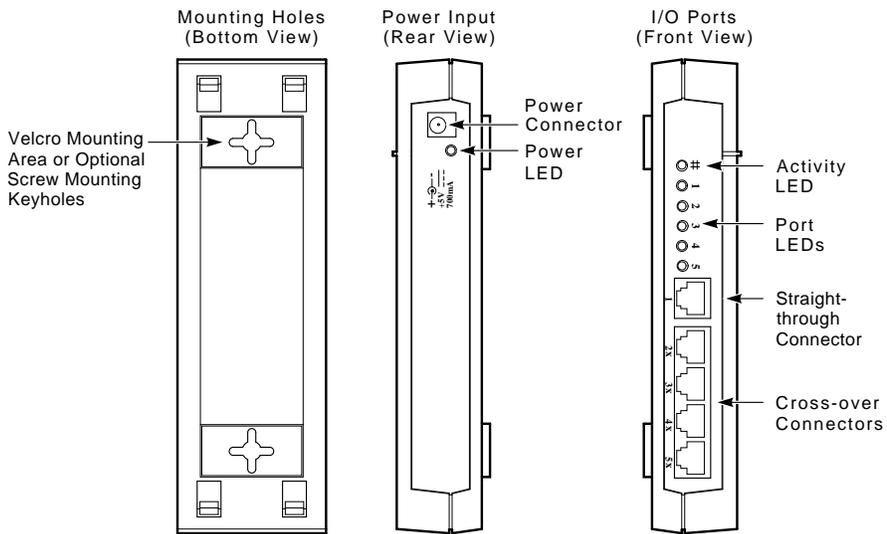
- BN26K-xx - Unshielded straight through
- BN26L-xx - Shielded straight through
- BN24F-xx - Unshielded cross-over (x)
- BN26N-xx - Shielded cross-over (x)

1.7 RJ45 Connector Pinning

Pin Number	Port 1 Straight-through	Ports 2-5 Twisted-Pair Crossover (x)
1	Transmit + (TD+)	Receive + (RD+)
2	Transmit - (TD-)	Receive - (RD-)
3	Receive + (RD+)	Transmit + (TD+)
4	N/C ¹	N/C
5	N/C	N/C
6	Receive - (RD-)	Transmit - (TD-)
7	N/C	N/C
8	N/C	N/C

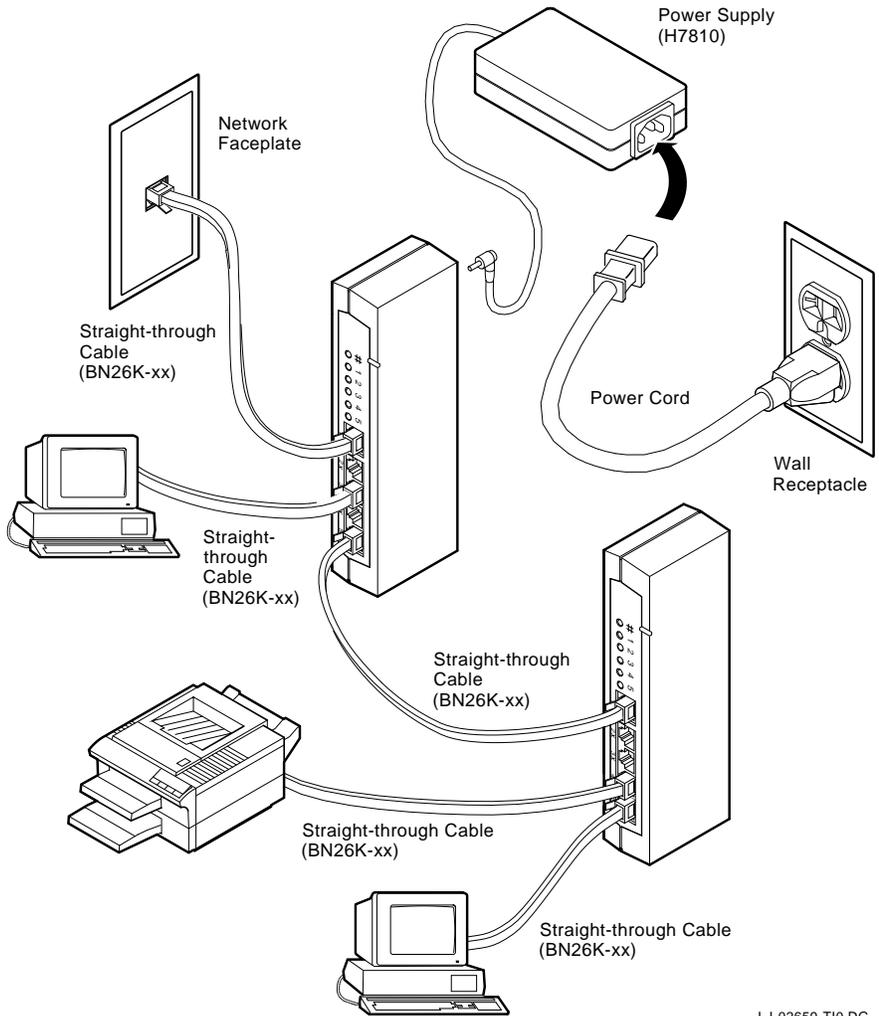
¹No connection.

Figure 1-1 Digital Ethernet Multiport Office Network Repeater



LJ-02595-T10

Figure 1-2 Digital Ethernet Multiport Office Network Repeater Wiring Configuration



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