IBM

IBM Ethernet Desktop Hub (8242) Models 008 and 016

IEEE 802.3 standard compliant

Crossover ports

Automatic partioning and reconnection

Excellent EMI/EMC characteristics

Attached unit interface (AUI) port (Model 016)

Front panel LEDs for easy access and problem solving

Jabber lockup protection

Automatic polarity-reversal correction

Plug and play installation (Model 008)

8 ports 10BASE-T RJ-45 MDI-X (Model 008)

16 ports 10BASE-T RJ-45 MDI-X (Model 016)

General description

The IBM Ethernet Desktop Hub (8242) allows you to create an affordable Ethernet LAN wherever you need it. Whether you want to link all of the computers in your home or install your first network in a small business or branch office, the 8242 offers an ideal solution. It has many of the features and problem determination aids and all of the reliability of IBM's large-network hubs, yet retains the simplicity of operation of an entry-level hub. And, as your network grows, the 8242 is flexible enough to meet your needs for years to come.

The 8242 meets the stringent FCC requirements for home installation. Now you can enjoy all the flexibility of the world's most popular LAN to connect devices in your home together. The 8242 will give you years of trouble-free operation because the reliability has been designed in from the very beginning.

Feature	Benefit
8- and 16-port models	10BASE-T Ethernet connectivity to desktop.
Cascading	Allows connectivity between two hubs with straight-through cables.
Automatic polarity-reversal	Prevents failure brought about by the copper correction cable polarity reversals.
Automatic partitioning and reconnection	• Hub continues to transmit data to port, but will not respond to activity on the port's receiver. • Reconnected when a good frame is received. • Reduces congestion on network.
Jabber protection	Reduces traffic congestion from a malfunctioning device.
Front-panel LEDs	Provide box-level and port-level information for operational monitoring and troubleshooting.
Model 016 - AUI port	Enables connectivity of 10BASE5, 10BASE2 or 10BASE-F.

Hot Buttons
• Inexpensive 10-MB Ethernet connectivity
• Suitable for home and small office environments
• Flexible enough for use even in large establishments
• Usable with all standard STP, UTP and FTP cables
• Two models support 8 and 16 ports respectively
• Both models can be cascaded to support larger networks via the MDI (uplink) port
• Connects to 10BASE5, 10BASE2 and fiber network segment via an AUI port (Model 016 only)

Reasons to choose the Ethernet Desktop Hub

- Economical solution for connecting 10-Mbps Ethernet workstations.
- Small-to-medium business connectivity to the desktop.
- End-to-end Ethernet solutions.
- Partitions ports automatically when excessive collisions or jabbering are detected.
- Auto-ranging power supplies eliminate the need for multiple models for different countries.
- Full range of transmission media choices help speed installation and control the costs of moves, adds and changes.
- Provides port-by-port link/activity and partition LEDs.
- Allows connectivity between two hubs with straight-through cables.
- Enables small Ethernet LANs to be built in minutes to serve your immediate needs.
- No special environmental considerations apply.

Ordering Information

8242 Ethernet

Desktop Hub Model	Part number	LAN ports
008	08L2295	8-port Ethernet Hub
016	08L2990	16-port Ethernet Hub

Optional feature	Feature Code	Part number
Power Cord 100 V - 120 V (1.8 m [6 ft])	9835	6952301

For more information
Visit the IBM Networking Home Page at *www.networking.ibm.com*.