

IBM 8226 Token Ring RJ45 Connection Model 001

Need more port attachments to your token-ring local area network? IBM announces the IBM 8226 Token Ring RJ45 Connection multistation access unit. The IBM 8226 Model 001 provides eight port attachments to a 4 or 16 Mbps token-ring LAN. It offers a splitter function that exceeds the capabilities of the IBM 8228. While offering increased function, the IBM 8226 will not be a replacement for the IBM 8228, but an addition to the product line.

The 8226 supports Unshielded Twisted Pair (UTP), Shielded Twisted Pair (STP), and Foiled Twisted Pair (FTP) cabling for both lobe and main ring paths.

The 8226 Model 001 may be used as a splitter device to connect up to eight workstations to a single port of another hub or concentrator/access unit.

Other major functions:

- The 8226 is powered by an integrated auto-ranging power supply.
- The 8226 does not require a setup or initialization tool.
- The 8226 will co-exist with all other IBM token-ring concentrators and hubs.

Product Number:

| Description | Machine | Model | Feature | Part |
|----------------------------|---------|-------|---------|---------|
| Token Ring RJ45 Connection | 8226 | 001 | — | 13H7309 |

Volume Orders: For information regarding volume orders, contact your IBM representative.

Purchase Price: \$545

Planned Availability Date: October 28, 1994

IN BRIEF . . .

- ◆ Provides eight attachments to a 4 or 16 Mbps token-ring
- ◆ Supports Unshielded Twisted Pair (UTP), Shielded Twisted Pair (STP), and Foiled Twisted Pair (FTP) cabling
- ◆ Increases connectivity to allow growth of the customer's business
- ◆ Allows co-existence with all other IBM token-ring concentrators and hubs

Description

Enabling Workstation Connectivity

The attractive price of the 8226 Token Ring RJ45 Connection Model 001 allows small to medium offices to share data, programs, or facilities such as a printer. Because of the 8226's simplicity of installation and operation, users are able to assemble and operate their own small network, or reconfigure an existing one.

Improved Worker Productivity

The 8226 Model 001 improves productivity by allowing users to share resources in a business office, or facilitates learning in an educational environment.

Connectivity Improvements

The 8226 Model 001 provides the ability to join 8226s together via their copper Ring-In and Ring-Out ports.

When more than one connection per port is needed, the 8226 Model 001 can be used as a splitter device to expand an existing token-ring network.

Once the network segment grows in either station activity or number of nodes to the point where more sophisticated network management is a requirement, the 8226s may be isolated in less demanding environments or bridged/routed with other local area or wide area networks (LANs or WANs).

Open Enterprise

The 8226-001 is compatible with the IEEE 802.5 standard.

Product Positioning

The 8226 Model 001 offers price and performance advantages for token-ring users when compared to the 8228 product. The enhanced functions and modular growth capabilities make this product very competitive in a small- to medium-size token-ring environment.

The ability to directly attach via RJ45 connection reduces cabling costs for the majority of customers.

Publications

The *IBM 8226 Token Ring RJ45 Connection Model 001 Planning and Installation Guide* (order number GA27-4981, part number 04H7644) is shipped with the product. Additional copies will be available by October 28, 1994. To order, contact your IBM representative.

The System Library Subscription Service (SLSS) is not available.

Technical Information

Specified Operating Environment

Physical Specifications:

- Width: 263 mm (10.4 inches)
- Depth: 141 mm (5.5 inches)
- Height: 54 mm (2.1 inches)
- Weight: 0.975 kg (2.15 pounds)

Operating Environment:

Product power on:

Temperature: 10.0° to 40.0°C (50° to 104°F)

Relative Humidity: 8% to 80%

Wet Bulb: 27 Calorific value 80 F:Kcal/Hr

Electrical Power: 0.115 kVA

Noise Level: Equipment designed to meet or exceed parameters specified in IBM C-S 1-1710-006 Product Category OA' — Equipment for use in Manufacturing/Utility Areas (less than 74 dB)

Product power off:

Temperature: 10.0° to 52.0°C (50° to 125°F)

Relative Humidity: 8% to 80%

Wet Bulb: 27 Calorific value 80 F:Kcal/Hr

User Group Requirements: This announcement satisfies, or partially satisfies, three requirements from one or more of the worldwide user group communities, which include Australian SHARE GUIDE (ASG), COMMON, COMMON EUROPE, GUIDE, European G.U.I.D.E., Japan GUIDE SHARE (JGS), Latin American GUIDE (LAG), SHARE EUROPE, and SHARE. The requirements are:

- Better price performance for small workgroup configurations
- Interconnecting the Ring-In and Ring-Out ports
- Mixing and matching of different wiring types

Planning Information

Customer Responsibilities: To complement this announcement, IBM Customized Operational Services (COS) offers a variety of related networking services. From a single Uninterruptible Power System (UPS) to a complete network installation, COS can provide a customized solution supporting the operational needs of any networking environment.

COS offers logical and physical network designs to meet customer requirements for performance, migration, and integration. With standards-compliant design and installation, COS provides cost-effective connections — to link hubs and servers in the telecommunications closet to PC workstations across a campus. IBM network designs also anticipate migration to intelligent hubs, future information technologies, and collapsed backbones.

To find out more about COS and other IBM services, contact your local IBM representative.

Cable Orders: Cables are the responsibility of the customer.

The 8226 Model 001 supports Category 4 or 5 UTP or FTP and STP cabling for both lobe and main ring paths.

Installability: The 8226 Model 001 average setup time is less than 10 minutes.

Problem Determination: The problem resolution section of the 8226 *Planning and Installation Guide* will assist customers in problem determination.

Packaging:

| Product | Shipment Group | Boxes |
|--------------------|--|-------|
| IBM 8226 Model 001 | 8226 Base Unit, Planning and Installation Guide, Safety Manual, and Power Cord | One |

Security, Auditability, and Control

User management is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Terms and Conditions

Volume Discount: Volume purchasing is available under the Volume Discounts section of the IBM Customer Agreement.

Volume Orders: Customers with existing volume discount commitments in Category F of the Networking Systems Products Exhibits may order the announced product as additional quantities to, or as direct substitutes for, any other machines in the same category subject to availability.

For further information regarding volume orders, contact your IBM representative.

IBM Credit Corporation Financing: Term leases and installment payment plans are available for commercial and state and local government customers.

Customer Fulfillment Option Applies: Yes

Warranty Period: One year

Warranty Service: IBM On-Site Repair (IOR)

Service/Maintenance after Warranty: IOR

IBM Hourly Service Rate Classification: Two. IBM warranty service, maintenance service, or hourly service may be obtained by calling 800-IBM-SERV (426-7378). IBM hourly service is available at the applicable rate and terms, including element exchange price if applicable.

Volume Maintenance Option: The announced product is an eligible machine and a qualifying machine for the Volume Maintenance Option of the IBM Customer Agreement. A revised exhibit will be available at a later date.

Mid-Range System Option: The announced product is an eligible machine for the Mid-Range System Option of the IBM Customer Agreement. A revised exhibit will be available at a later date.

| Eligible Type | Discount | |
|---------------|------------|-----------|
| | Three-Year | Five-Year |
| 8226 | 12% | 17% |

Corporate Service Option: The announced product is an eligible machine for the Corporate Service Option of the IBM Customer Agreement. A revised exhibit will be available at a later date.

| Network | Discount | |
|---------|------------|-----------|
| | Three-Year | Five-Year |
| Network | 12% | 17% |

Extended Maintenance Option: The announced product is an eligible machine under the Extended Maintenance Option of the IBM Customer Agreement. A revised exhibit will be available at a later date.

Product Availability Status: New product available

Field-Installable Features: No

Model Conversions: No

Customer Setup: Yes

Licensed Internal Code: No

National Education Price (NEP): A National Education Price is available under the terms and conditions of the National Education Price List. The NEP, which represents a 34% discount from the single unit purchase price, is not subject to any further discount or allowance. The machine described in this announcement is included in the National Education Price List.

Charges

Product Charge

| Description | Machine Type | Model Number | Part Number | Purchase Price |
|----------------|--------------|--------------|-------------|----------------|
| 8226 Model 001 | 8226 | 001 | 13H7309 | \$545 |

Annual Minimum Maintenance Charge

IBM On-Site Repair (IOR): \$60