

IBM 8226 Token-Ring RJ-45 Connection Model 001

- **Provides low-cost twisted-pair wiring and RJ-45 connectors**
- **Offers connections for 8 to 80 workstations**
- **Powered by an integrated auto-ranging power supply**
- **Does not require setup or initialization**
- **Will coexist with all other IBM Token-Ring concentrators and hubs**

The IBM 8226 Token-Ring RJ-45 Connection Model 001 is a simple, unmanaged workgroup hub for Token-Ring LANs targeted at small workgroup LANs that use twisted-pair wiring and RJ-45 connectors. It is an ideal solution for first-time users in a small office because of its ease of use. There are no installation or configuration procedures to run.

Product Overview

The IBM 8226 Token-Ring RJ-45 Connection Model 001 is a low-cost, passive, Token-Ring access unit that provides shielded RJ-45 connection for attaching workstations and other Token-Ring devices to a 4- or 16-Mbps Token-Ring network using category 4 or 5 UTP cabling. The 8226 also uses visual status indicators to make installation and use simple and quick. No manual setup or initialization is required. The equipment is connected using twisted-pair cabling, creating a LAN. The 8226's connection capabilities offer flexibility. Customers can use the 8226 for a single ring of up to eight workstations. Up to ten 8226s can be linked via the RI/RO ports to connect up to 80 workstations.

And the 8226 is powered so that it can reset port relays automatically, making it less expensive to operate than most other access units.

The 8226 is flexible. It can be used in any one of three physical configurations to create or extend the Token-Ring network that suits your business needs.

The 8226 Model 001 is a flexible, inexpensive Token-Ring multistation access unit used to build workgroup networks using twisted-pair wiring and RJ-45 connectors. The 8226 provides up to eight port attachments to either a 4-Mbps or 16-Mbps Token-Ring LAN.

The 8226 features a splitter function that uses a single hub port to connect up to eight devices, instead of requiring a separate hub port for each device. The 8226 is attached to an existing hub port, the switch on the front panel is set to "Splitter" and then up to eight additional devices can be connected to the 8226.

Benefits

- The stand-alone ring. The 8226 Model 001 can be used as a stand-alone ring, by attaching up to eight workstations or devices to the 8226's RJ-45 ports.

This, coupled with the 8226's ease of installation and use, makes it an excellent choice for small-office environments such as professional offices, branch banks, stores and classrooms. A high level of technical expertise is not necessary. All you have to do is connect your equipment to the 8226 and let it do the rest. There are no installation or configuration procedures to run.

- Serving your growing organization. IBM 8226s can also be used together by cabling up to ten 8226s via their RI/RO ports and then attaching up to eight workstations to each 8226's RJ-45 ports. By using this configuration you can quickly and easily expand your Token-Ring network as your business expands.

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 or routed with other LANs or WANs.

- Accommodating continued growth. As your growing business requires continued growth of your network, the 8226 can be used with a hub or concentrator to serve additional workstations without changing your building cabling. Instead of using a separate hub or concentrator port for each device you want to connect, you can attach the 8226 to an existing hub or concentrator port, set the switch on the front of the 8226 to "splitter," and connect up to eight additional devices to the 8226.

8226 Token-Ring RJ-45 Connection Model 001 Specifications

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Physical specifications

Model	Width	Depth	Height	Weight	LAN ports
001	263 mm (10.4 in.)	141 mm (5.5 in.)	54 mm (2.1 in.)	0.975 kg (2.15 lb)	8 Token-Ring shielded RJ-45

Operating environment

Dry-bulb temperature	Relative humidity	Maximum wet-bulb temperature	Electrical power
10° to 40°C (50° to 104°F)	8% to 80%	27°C (81°F)	0.115 kVA

Standards

Function	Electromagnetic compatibility	Quality
• IEEE 802.5	• FCC Class A • VCCI Class A • CISPR-22 Class A • FTZ Class A	• ISO 9000

Key Customer Benefits

- Compatibility with all current IBM Token-Ring products and non-IBM Token-Ring products based on IEEE 802.5
- Ability to directly attach via RJ-45 connection
- Increases connectivity to allow growth of the customer's business
- Splitter function
- Ease of use and installation

Supplementary Information

The following sales tools are available for the 8226:

- Specification sheet:
IBM 8226 Token-Ring RJ-45 Connection Model 001, G224-4415-00
- Information on the IBM 8226 is available at:
www.networking.ibm.com/861/861prod.html

Workgroup Hubs

Token-Ring