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## Apple Token Ring 4/16 NB Card: Description (3/94)

Revised: 3/18/94  
Security: Everyone

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TOPIC -----

This article describes the Apple Token Ring 4/16 NB Card.

DISCUSSION -----

The Apple Token Ring 4/16 NB Card is a 9-inch bus master network interface card. It allows Macintosh computers with NuBus expansion slots to connect to Token Ring networks that operate at either 4 or 16 megabits per second (Mbps). The card is based on the Macintosh Coprocessor Platform, and includes its own Motorola 68000 microprocessor, 512K of RAM, and A/ROSE, a real-time, multitasking operating system that runs on the card. The card operates independently of the main Macintosh processor, executing multiple networking protocols or network application programs concurrently. This maximizes both system and network performance.

The Token Ring 4/16 NB Card uses the IBM Token Ring chip set, ensuring compatibility and interoperability with all IBM Token Ring networks that operate at 4 or 16 Mbps. The card also supports a variety of software environments, including AppleTalk, 3270, and APPC. This flexibility provides users connected to Token Ring networks with access to both local area network (LAN) and mainframe-based services.

NOTE: The Apple Token Ring 4/16 NB Card is a 9-inch NuBus card and will not fit into Macintosh computers which take only 7-inch NuBus cards. These computers are: Centris and Quadra 610, 660AV, and Power Macintosh 6100/60.

### Features

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- Connection to IEEE 802.5 and 802.2 industry-standard Token Ring networks
  - Software-switchable 4 and 16 Mbps speeds
  - IBM Token Ring chip set; DB-9 connector formatting to IBM-type cabling
  - Includes TokenTalk software

- Password-protected speed selection, timer settings, and locally administered address
- Multiprocessor, bus master architecture
- Motorola 68000 microprocessor
- 512K RAM, expandable to 2.5MB RAM
- Apple Real-time Multitasking Operating System Environment (A/ROSE)

#### Order Numbers

- 
- Apple Token Ring 4/16 NB Card  
M0415LL/A
  - Macintosh Coprocessor Platform Memory Expansion Kit  
M0145LL/A

#### Article Change History:

18 Mar 1994 - Updated to indicate that card is a 9-inch NuBus card.

#### Support Information Services

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