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Apple Token Ring 4/16 NB Card: Specifications (4/94)

Revised: 4/11/94
Security: Everyone

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TOPIC ----------

This article gives technical specifications for the Apple Token Ring 4/16 NB Card.

DISCUSSION ----------

Hardware

- Chip set: IBM Token Ring
- Connector: DB-9 connector for attaching to IBM Type 1 cabling. External adapters for Type 3 cabling are available from other vendors
- Processor: Motorola 68000 running at 10 Mhz
- Bus interface: 9-inch NuBus bus master
- Memory: 512K RAM, expandable to 2.5MB
- Power requirements: 1.5 amps at 5 volts
- Certification: FCC Class A; VDE
- Expansion memory: When increasing memory on the card, the following specifications must be met:
  - Type: Dynamic RAM
  - Size: 256K x 4 (for expanding to 1MB) or 1MB x 4 (for expanding to 2.5MB)
  - Configuration: 4 bits wide
  - Package: ZIP
  - Speed: 120 ns or faster

To expand the Token Ring 4/16 NB Card memory to 1MB, order the Macintosh Coprocessor Platform Memory Expansion Kit.

To expand the Token Ring 4/16 NB Card memory to 2.5MB, contact:

- Andrew Corporation in Austin, TX. Telephone number is 512-314-3000

Software

- Application interface: AppleTalk, Apple 3270 API, APPC verb interface
- LLC implementation: Type 1 and Type 2
- Routing: Supports IBM source routing

Software-Configurable Card Settings

- Transmission speed: 4 or 16 megabits per second
- Token Ring address: burned-in or locally administered address
- Timers: Response (T1), Acknowledge (T2), and Inactivity (Ti)
- Card settings can be password-protected

Token Ring Cabling Specifications

- Shielded twisted-pair (IBM Type 1 cabling)
  - Maximum distance from multistation access unit (MAU) to device (lobe length) = 300 meters
  - Maximum distance between two MAUs (trunk length) = 200 meters
  - Maximum devices per ring = 260
- Unshielded twisted-pair (IBM Type 3 cabling)
  - Maximum distance from MAU to device (lobe length) = 100 meters
  - Maximum distance between two MAUs (trunk length) = 120 meters
  - Maximum devices per ring = 72

For further information on third party products, please use the vendor name as a search string.

Article Change History:
10 April 194 - Updated information on where to get Memory upgrades.
18 Mar 1994 - Updated information to include this is a 9-inch Nubus card.
23 Sep 1992 - Updated by adding another third-party source of RAM SIMMs to upgrade the card.

Support Information Services

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