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

Article Created: 26 May 1992
Article Reviewed/Updated: 10 April 1994

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
Copyright 1992-94, Apple Computer, Inc.

Keywords: SPECSHT

==

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 10267