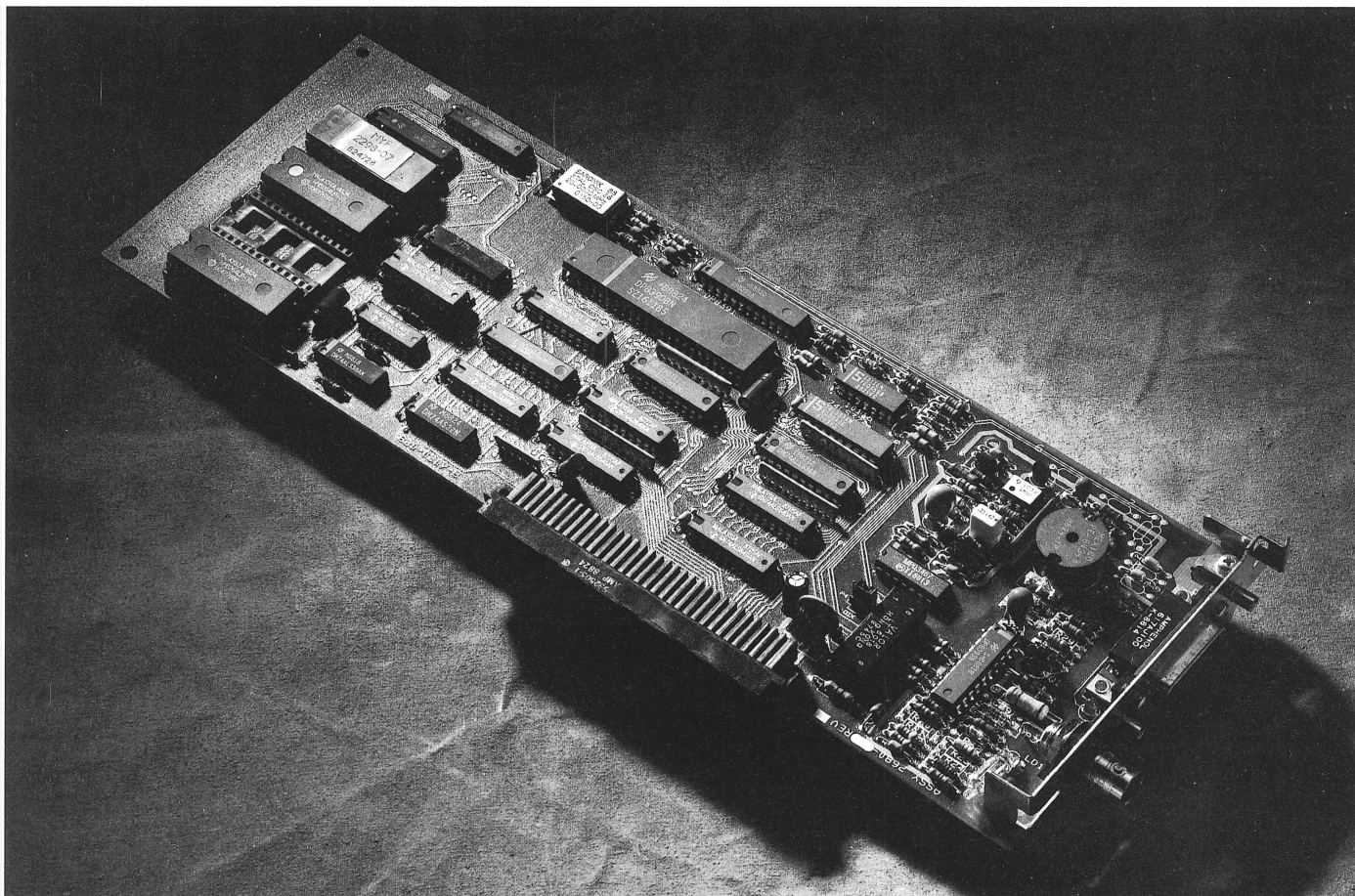


Apple EtherTalk NB Card



Overview

The Apple® EtherTalk™ NB Card provides direct connectivity to 802.3 Ethernet networks for the Macintosh® II family of personal computers. This easy-to-install card lets you use the computer with a variety of networking protocols, including the AppleTalk® network system and TCP/IP.

Features

- ▶ Compliance with IEEE 802.3 standards
- ▶ Includes EtherTalk software (AppleTalk Phase 2 protocol support for users of the Macintosh operating system)
- ▶ A/UX® local area networking support
- ▶ On-board transceiver
- ▶ NuBus™ compatible
- ▶ User installable

Benefits

- ▶ Allows Macintosh II computers to connect to industry-standard Ethernet networks.
- ▶ Provides users on the AppleTalk network system with a higher-performance cabling alternative that can support single networks of more than 64,000 nodes and internets of more than 16 million nodes.
- ▶ When used with Apple's A/UX operating system, provides a complete solution for connecting into common UNIX® operating system-based local area network environments, including TCP/IP and the Network File System (NFS).
- ▶ Allows the use of "thin" Ethernet coaxial cabling without expensive external transceivers.
- ▶ Plugs into a NuBus expansion slot in any computer in the Macintosh II family.
- ▶ Installs in minutes.



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Product Details

The Apple EtherTalk NB Card provides physical and link-level access to data communications networks meeting the IEEE 802.3 and 802.2 Logical Link Control (LLC) standards. Any of a number of networking protocols can be used with the EtherTalk NB card. The table outlines configurations provided by Apple.

Operating System	Protocol	Product	Ordering Information
Macintosh	AppleTalk	EtherTalk software	Included with EtherTalk NB card
Macintosh	TCP/IP	MacTCP™	Available through Apple Software Licensing
A/UX	AppleTalk	EtherTalk for A/UX	Available through A/UX dealers
A/UX	TCP/IP and NFS	B-NET	Included with A/UX

Other operating system/protocol configurations are available from independent (third-party) developers.

System Requirements

In addition to the Apple EtherTalk NB Card and accompanying software, the following are required to connect a

- Macintosh II personal computer to Ethernet:
 - ▶ One available NuBus slot in the computer
 - ▶ Macintosh or A/UX operating system
- ▶ Thin coaxial Ethernet cabling, or a transceiver cable and transceiver for thick coaxial, twisted-pair, or fiber-optic cabling

Technical Specifications

Connectors

- ▶ BNC connector for thin Ethernet (RG-58) cabling
- ▶ AUI (15-pin D-style) connector for connecting external transceivers

Transmit/Receive data rate

- ▶ 10-megabit-per-second maximum data rate
- ▶ On-board thin Ethernet transceiver (jumper-selectable)

Packet buffering

- ▶ 64 kilobytes of dual-ported local RAM for packet buffering
- ▶ 32 kilobytes of ROM

Power dissipation

- ▶ +5 volts: 6.5 watts maximum
- ▶ +12 volts: 3.6 watts maximum

Environmental requirements

- ▶ Operating temperature: 32° to 131° F (0° to 55° C)
- ▶ Humidity: 10% to 90% noncondensing

Ordering Information

Apple EtherTalk NB Card

Order No. M0410LL/A

- With your order, you'll receive:
- ▶ Apple EtherTalk NB Card
 - ▶ T-connector for thin Ethernet cabling
 - ▶ Clip and screws for AUI connector
 - ▶ EtherTalk software
 - ▶ EtherTalk NB User's Guide
 - ▶ Limited warranty statement

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June 1989. Product specifications are subject to change without notice. Printed in U.S.A.
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