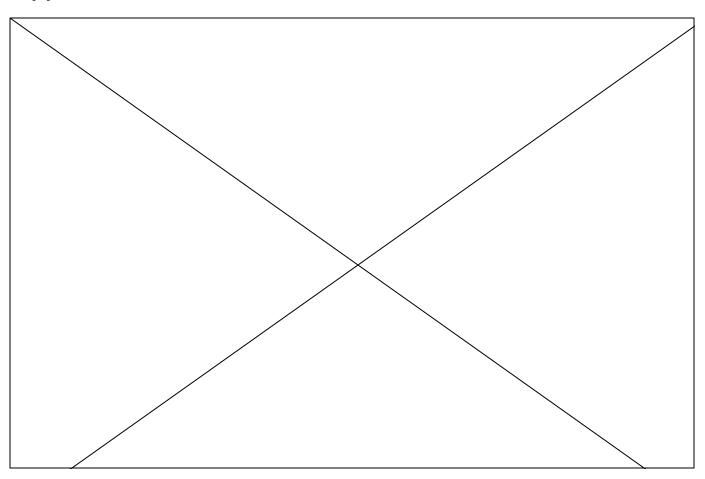
Apple Token Talk NB Card





Overview

The Apple® Token Talk™NBC ardis an expansion card that allows personal computers in the Macintosh Ilfamily of systems to connect to IBI MandIBI M-compatible Token-Ringnetworks.

Because the card supports a variety of network environments, including Apple Talk®, 3270, APPC, and SMB, users can access local area network (LAN) and mainframe-based services connected to the Token-Ring.

The Apple Token Talk NB Cardis an intelligent NuBus™ interface cardthathasitsown 68000 microprocessor, memory, and multitasking operating system. Operating independently of the main

Macintoshllprocessor, the card supports the concurrent executionofmultiplenetworking protocolswithminimalaccessto the Macintosh Il processor and operatingsystem. It incorporates theindustry-standardTexas InstrumentsTMS380chipsetfor alToken-Ringaccessfunctions. Andbecauseallthecommunicationsprocessingisdoneonthe card, your Macintosh Ilisfree to runother/Macintoshapplications. The Apple Token Talk NB Card iscompatible with the IEEE 802.5 MediaAccessControl(MAC) standardforToken-Ringnetworks, aswellasthelEEE802.2Logical LinkControl(LLC)standardfor

higher-levelsoftwareaccessto 802.5 facilities. The card transmits and receives data at 4 megabits persecond, and interoperates withother IEEE 802-compatible Token-Ring interface cards at the physical and data linklayers.

Features

Benefits

 ConnectiontoIEEE802.5and802.2 industry-standardToken-Ringnetworks 	 Provides Macintoshaccesstonetwork-based applications, services, and data. Supports the IBM cabling system.
Supportfor Apple Talk protocols and services	 Allowsaccesstonetwork-basedservicesviaa single cabling system. Providesaccess to Apple Talkservices at 4 megabits per second.
Texas Instruments' TMS 380 Token Ring chipset	EnsurescompatibilitywiththelEEEandIBM Token-Ringstandards.
 BasedontheMacintoshCoprocessor Platform™ 	 Handlesallcommunicationsprocessingfor the Macintosh II. Allows concurrent execution of multiple networking protocols.
Supportfor Apple and third-party network services	Enables the user to choose from a range of network environments.

Token Talk Software and SMB File Transfer Utility (included with Apple Token Talk NB Card)

TokenTalk Software

Apple's Token Talksoftware, which is compatiblewith AppleTalk Phase 2, brings the advantages of the Apple Talknetwork system to standardToken-Ringnetworks.Personal computers in the Macintosh II family of systems can be connected to virtually any size Token-Ringnetworkorinternetworkwhile retaining accesstoallAppleTalk-basedresources, such as AppleLaserWriter®printersandAppleShare® file and print servers.

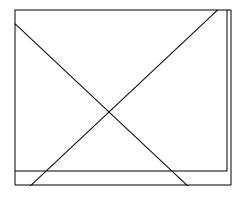
As part of the Apple Talk network system,

TokenTalkiscompletelytransparenttothe Macintoshuser. Aftertheuserinstalls Token-TalkviaasimpleMacintoshprogram,AppleTalk services appear as they would on any Apple Talk network. Through the Control Panel desk accessory, the user can easily establish a link to the Token Talknetwork. The Chooserdesk accessoryisthenusedtoselectAppleTalk networkservices.

The Token Talks of tware provides the extendedfeatures of Apple Talk Phase 2.

AppleTalkPhase2permitsuserstobuildsingle networksofmorethan64,000Macintosh personal computers, and internetworks of more than 16 million Macintosh computers. And the TokenTalksoftwaredeliversAppleTalknetwork services concurrently with other Token-Ring services.suchasMacDFTMorlMacAPPCM.

Using network routers, such as the Apple Talk Internet Router, Token Talkalso allows easy user accesstoservicesonLocalTalk™ and EtherTalk™ networks.



Features

- SupportforAppleTalkPhase2protocols runningover802.5Token-Ringnetworks
- Integration into the Macintosh desktop environment

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- Supportforsource-routingbridges
- User-installable

Benefits

- BringsAppleTalkservicestoMacintosh usersinToken-Ringenvironments.
- Provides consistency in network installation, connection.andaccess.
- Allows Token Talkusers to leverage their investmentin IBMToken-Ringbridges.

andthemountedvolumes. The SMB File

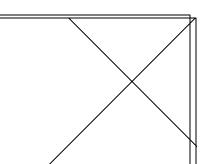
TransferUtilityusestheAppleFileExchange

application (included) to transfer and translate

filesbetweenMacintoshandMS-DOSformats.

Installsquicklyandeasily.

SMBFileTransferUtility The SMB File Transfer Utility software allows usersofMacintoshandIBM-compatible personalcomputerstoexchangefilestoshare information in their work groups. Apple



MacintoshIIsystemsattachedtoaToken-Ring networkcanaccess information on IBMPCLAN Program SMB (Server Message Block) file servers. Users can mount SMB volumes and

transferfiles between their Macintosh II systems

Features

SMBprotocols

Benefits

- Allows Macintosh computers to access IBM PCLANProgramSMBfileservers.
- RunsconcurrentlywithTokenTalksoftware and other Token Ringservices
- The Apple File Exchange application
- Makesiteasiertosharedatabetween difference operating environments.
- Allowsfiles to be translated into an application-specificformat
- Adeskaccessoryforaccessingfilesonthe SMBserver
- Allowseasymountinganddismountingof SMBservervolumes.



Apple Token Talk NB Card

System Requirements	TousetheAppleTokenTalkNB Card, you'll need: • Apersonal computer in the Macintosh Il family of systems • One or more of the following applications: —TokenTalksoftware (AppleTalk	services over Token-Ring) —SMB File Transfer Utility software (file transfer to and from SMB servers) —MacDFT software (3270 emulation over Token-Ring) —VacAPPC software (APPC	supportoverToken-Ring) TokenTalksoftwareandSMBFile TransferUtilitysoftwarearein- cludedwiththeAppleTokenTalk NBCard.MacDFTsoftwareand MacAPPCsoftwareareavailable separatelyfromApple.
Technical Specifications	Connectors DB-9 connector for attaching to the IBM cabling system External adapter (available from other suppliers) for use with Type 3 cabling Interface NuBus; plugs into any Macintosh Il computer	Processor • Motorola 68000 running at 10 megahertz Memory • 512 KofRAM Application interface • Apple Talk, Apple 3270 API, AFFC	Power dissipation • 15watts Transmit/Receive data rate • 4-megabit-per-secondon-board transceiver
Ordering Information	Apple TokenTalk NB Card	OrderNo.M0237	With your order, you'll receive: Apple Token Talk NBC ard User Confidence Test disk Token Talk Installer disk Token Talk User's Guide SMB File Transfer Utility disk SMB File Transfer Utility Software User's Guide
	Otherplatforms supported by the Apple Token Talk NB Card Torun five-session 3270 emulation on the Apple Token Talk NB Card, you'll need to order the Mac DFT software. Torun Mac APP Cover Token Ring, you'll need the Mac APP Csoftware.	Please refer to the following product sheets for descriptions of features and ordering information about these Apple products: • Apple Coax/Twinax Card (M0063LL/A)	MacDFT(M0064LL/A)MacAPPC(M0238LL/A)