MacTCP

Overview

With MacTCP™ software, developers now have a way to create Apple® Macintosh® applications for network environments that use TCP/IP protocols—a widely used standard for networking heterogeneous systems. Licensed to third-party developers, Mac-TCP includes TCP, UDP, and IP protocols and conforms to Internet RFCs and MIL-STDs, thus ensuring interoperability with systems on the TCP/IP Internet. MacTCP runs over both Ethernet and LocalTalk™-compatible cabling systems and is co-resident with AppleTalk® protocols. It can be installed on a Macintosh II, Macintosh SE, Macintosh Plus, or Macintosh 512K Enhanced computer.

Features

▸ TCP/IP protocol driver implementation

▸ Compatible with Macintosh II, SE, Plus, and 512K Enhanced computers

▸ Concurrent TCP/IP and AppleTalk operation

▸ Both C and assembly language interfaces

▸ Address configuration via the Control Panel

▸ Apple-supported driver

Benefits

▸ Provides a standard platform for developing applications and solutions.
▸ Supports multiple TCP/IP services concurrently.

▸ Lets third-party developers create applications that can run on a range of Macintosh computers.

▸ Preserves full access to AppleTalk services. For example, users can run MacTCP while printing to an Apple LaserWriter® printer over LocalTalk cabling.

▸ Provides developers with a familiar development environment.

▸ Simplifies installation and setup procedures for end users and network administrators.

▸ Makes technical assistance available for Apple Certified Developers.

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System Requirements	To use MacTCP for a Macintosh computer with a LocalTalk-compatible cabling system, you'll need the following: ▸ A Macintosh II, Macintosh SE, Macintosh Plus, or Macintosh 512K Enhanced computer	▸ Appropriate LocalTalk-compatible cable connectors ▸ A router with AppleTalk and TCP/IP support, such as the Kinetics FastPath	To use MacTCP for a Macintosh computer on Ethernet, you'll need: ▸ A Macintosh II with an Ethernet interface card such as the Apple EtherTalk™ Interface Card, or a Macintosh SE with an Ethernet interface card such as the Kinetics EtherPort SE card
Product Details	MacTCP consists of object code libraries and associated files for both C and assembly language development. Libraries include TCP and UDP interfaces along with a name-to-address resolver. A programmer's reference guide and an administrator's guide are provided.	MacTCP implements the following protocols: —IP (RFCs 791,894; MIL-STD 1777) —UDP (RFC 768) —TCP (RFC 793, MIL-STD 1778) —ARP (RFC 826) —RARP (RFC 903) —ICMP (RFC 792)	—BootP (RFCs 951,1048) —RIP (IDEA004) —DNR (RFCs 1034,1035) —Internet Subnetting (RFC 950) —Internet Assigned Numbers (RFC 1010) Throughput is 3.0 megabits per second memory-to-memory (on a Macintosh II over Ethernet).
Ordering Information	**MacTCP**	MacTCP is a site-licensed product. To order MacTCP, contact: Software Licensing Department Apple Computer, Inc. 10431 DeAnza Blvd., M/S 38I Cupertino, CA 95014	MacTCP comes with a programmer's reference guide and a network administrator's guide.