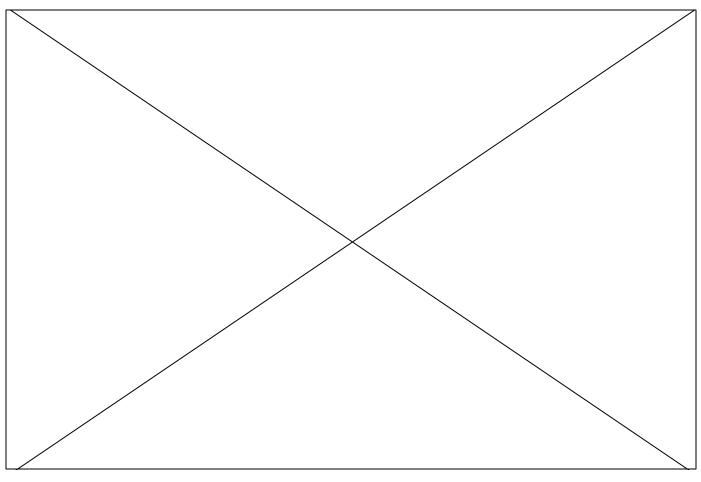# MacTCP



## 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 heterogenous systems. Licensed to third-party developers, MacTCP 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.

# MacTCP

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|---|---|---|---|
| System Requirements | To use MacTCP for a Macintosh computer with a LocalTalk compatible cabling system, you'll need the following:<br>· A Macintosh II, Macintosh SE, Macintosh Plus, or Macintosh 512K Enhanced computer | · Appropriate LocalTalk compatible cable connectors<br>· 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:<br>· 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 EtherPortSE 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:<br>–IP (RFCs 791, 894; MIL-STD 1777)<br>–UDP (RFC 768)<br>–TCP (RFC 793, MIL-STD 1778)<br>–ARP (RFC 826)<br>–RARP (RFC 903)<br>–ICMP (RFC 792)<br>–BootP (RFCs 951, 1048) | –RIP (IDEA 004)<br>–DNR (RFCs 1034, 1035)<br>–Internet Subnetting (RFC 950)<br>–Internet Assigned Numbers (RFC 1010)<br><br>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:<br><br>Software Licensing Department<br>Apple Computer, Inc.<br>10431 De Anza Blvd., M/S 38I<br>Cupertino, CA 95014 | MacTCP comes with a programmer's reference guide and a network administrator's guide. |