



## 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, 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

---

## 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 De Anza Blvd., M/S 381  
Cupertino, CA 95014

MacTCP comes with a programmer's reference guide and a network administrator's guide.

---