



Tech Info Library

Ethernet 10T/5 Workgroup Hub: Description & Tech Specs (2/95)

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TOPIC -----

This article provides a description and the technical specifications of the Apple Ethernet 10T/5 Workgroup Hub.

DISCUSSION -----

The Apple Ethernet 10T/5 Workgroup Hub provides a simple and cost effective way to build efficient, high performance networks for small to medium size workgroups. It also offers a convenient means of extending existing 10Base-T Ethernet networks.

A compact, five-port, mobile hub, the Apple Ethernet 10T/5 Workgroup Hub is designed to let you easily connect five devices (including Macintosh and other desktop computers, note-book computers, and printers) to form a 10Base-T Ethernet network. Each workgroup hub comes with four RJ-45 connectors and an Apple Ethernet Port that can be connected to any Power Macintosh computer, most Macintosh Quadra and Macintosh Centris models, the PowerBook 500 series, and the LaserWriter Pro 630 and LaserWriter IIg printers. The Workgroup Hub can also be used to extend your network by an additional four devices from a single Ethernet access point (like a wall plate) when used in a structured 10Base-T environment.

Designed for flexibility and ease of expansion, the Apple Ethernet 10T/5 Workgroup Hub comes with an expansion adapter, which allows you to connect one Workgroup Hub to another (up to a recommended maximum of four) to build larger networks as your networking needs grow. The expansion adapter connector eliminates the headache of getting special cables and allows you to use any standard Category 3 or Category 5 twisted-pair cabling.

If you want to set up or expand a network, but don't want to spend a lot of time -- and money -- in the process, the Apple Ethernet 10T/5 Workgroup Hub is the answer.

Features

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Ease of Use

- Requires no configuration -- just plug it in
- Lets you easily create, expand, administer, and troubleshoot your network

Flexibility

- Enables five users to connect directly to the hub with 10Base-T industry-standard cabling to form convenient, ad hoc networks
- Allows four additional users to connect to an existing industry-standard, 10Base-T Ethernet network
- Supports the connection of multiple hubs (a maximum of four is recommended) to build larger networks or extend current configurations
- Supports a variety of hosts, including any Macintosh computer or LaserWriter with a built-in Apple Ethernet port (AAUI) or an Apple Ethernet card that has an AAUI interface such as the Apple Ethernet NB, LC or CS AAUI Card.

Compatibility

- Complies with IEEE 802.3 standards
- Supports all popular networking protocols and software, including AppleTalk, TCP/IP, IPX, DECnet, and Mac IPX, and Apple Internet Router and SNA•ps 3270 and 5250 client software
- Can be used by all devices that have a 10Base-T Ethernet interface, including Macintosh computer, laser printers, notebook computers, and DOS or Windows personal computers from various manufacturers
- Easily integrates into multi-vendor 10Base-T Ethernet networks (independent of CPU or network operating system)

Performance

- Allows users to optimize network configurations for maximum flexibility and performance
- Provides full Ethernet data rates and excellent reliability through the point-to-point nature of 10Base-T networks

Technical Specifications

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Connectors

- Four RJ-45 connectors for attaching to 10Base-T, Ethernet twisted-pair cabling
- One Apple Ethernet Port (AAUI) connector for attaching to a Macintosh host or

LaserWriter printer with an Apple Ethernet Port

Transmit/receive data rate

- 10 megabit-per-second maximum data rate

Diagnostic displays

- Four LED indicators display Ethernet status (Link) and data transmission (one per port)

Environmental requirements

- Operating temperature: 50 to 104 degrees F (10 to 40 degrees C)
- Humidity: 20% to 95% noncondensing

Power dissipation

- Maximum 1.9 W, average 1.5W

System Requirements

- One available built-in Apple Ethernet port in a Macintosh; or a built-in Ethernet port on an Apple LaserWriter printer; or an Apple Ethernet NB Card, Apple Ethernet LC Card, or Apple Ethernet CS AAUI card to use as a Macintosh host
- Industry-standard 10Base-T Ethernet twisted-pair cabling (Category 3 or 5 specifications)

Ordering Information

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Apple Ethernet 10T/5 Workgroup Hub

Order No. M3351Z/A

- Apple Ethernet 10T/5 Workgroup Hub
- Workgroup Hub Expansion Adapter
- User's guide
- Limited warranty

Apple Ethernet Twisted-Pair

Cable-3 Meter

Order No. M3348Z/A

Apple Ethernet Twisted-Pair

Cable-7 Meter

Order No. M3349Z/A

Apple Ethernet Twisted-Pair

Cable-15 Meter

Order No. M3350Z/A

Apple Ethernet 10T/5 Workgroup Hub Power Adapter (Optional)
Order No. M2851LL/A
Apple Ethernet 10T/5 Workgroup Hub Power Adapter (also works with the QuickTake
100)

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