

HP EtherTwist MAU For Ethernet on Twisted-Pair Networks

Product Number 28685A

Another in HP's full line of Type 10BASE-T networking products, the HP 28685A EtherTwist MAU (Medium Attachment Unit) provides an easy connection between an Attachment Unit Interface (AUI) and your unshielded or shielded twisted-pair cabling. For maximum flexibility, the HP EtherTwist MAU supports both IEEE 802.3 and Ethernet protocols. The HP EtherTwist MAU sends and receives data, detects collisions on the network and protects the network's reliability by monitoring malfunctions between itself and the AUI.

Features

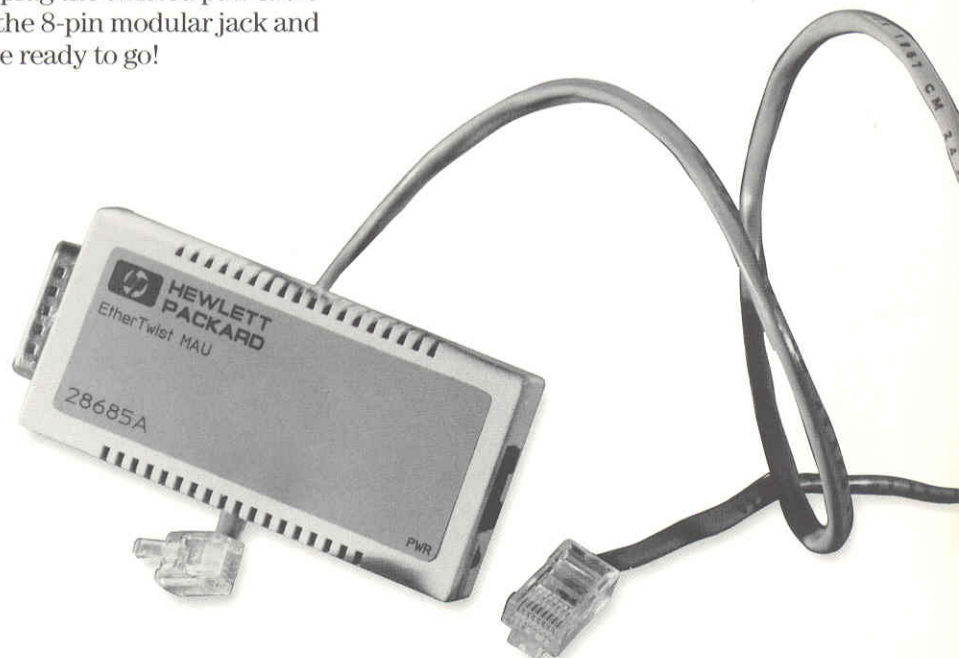
- The EtherTwist MAU is compatible with Type 10BASE-T networks as well as HP StarLAN 10.
- 8-pin modular jack and AUI port offer quick and simple installation.
- Compact design allows attachment of the EtherTwist MAU to a system directly or via an AUI cable.
- The EtherTwist MAU supports both IEEE 802.3 and Ethernet Version 1.0 and Version 2.0 protocols.

- LED power indicator provides a quick notification that the EtherTwist MAU is functioning.
- Collision detection and jabber protection help to maximize performance and isolate faults.

Makes your Type 10Base-T Network Easier to Implement

With the HP EtherTwist MAU you can easily integrate your existing IEEE 802.3 and Ethernet Version 1.0 and 2.0 compatible devices into a Type 10Base-T network. Just plug the EtherTwist MAU's AUI port onto your device AUI, plug the twisted pair cable into the 8-pin modular jack and you're ready to go!

10Base-T



Designed for use with Type 10BASE-T hubs, the HP EtherTwist MAU supports communications across 100 meters of twisted-pair cable. Even greater distances are possible depending on cable specifications.

Small in Size

The HP EtherTwist MAU is smaller than a 1-inch stack of business cards. This compact design allows you to use the EtherTwist MAU in places where larger, bulkier MAUs could never fit in the past, like a connector on the back of your system. This not only saves you money on additional cables, it also eliminates an additional source of failure in your cabling scheme.

Flexibility to Meet Your Changing Needs

The HP EtherTwist MAU comes with an on-board link beat switch. With the switch set on, the MAU can communicate with a Type 10BASE-T hub. With the switch set off, the MAU can communicate with the HP 28663A StarLAN 10 hub. This backward compatibility allows you to economically expand your twisted-pair network when you need to.

Functional Specifications

Hardware Compatibility

The HP 28685A EtherTwist MAU is designed to provide an AUI connection to twisted-pair cable for LAN devices that are compatible with IEEE 802.3 or Ethernet Version 1.0 or Version 2.0.

Software Compatibility

The EtherTwist MAU is transparent to network operating systems.

HP Wire Test and Cabling

HP EtherTwist local area networks use twisted-pair cable. Two pairs of 22, 24, or 26 AWG unshielded twisted-pair cable are required for each connection. Shielded twisted-pair cable may also be used. HP WireTest Service is available to qualify cabling for a Type 10BASE-T network. Contact your local HP Sales and Support Center or HP Authorized LAN Dealer for information and availability of this service.

Environmental Characteristics

- Operating Temperature: 0°C to 55°C (32°F to 131°F)
- Relative Humidity: 5% to 95% @ 40°C (104°F) non-condensing

Physical Characteristics

- Connections: Standard IEEE 802.3 AUI 15-pin connector
Modular 8-pin connector
- Dimensions: 9.52 cm by 4.34 cm by 2.41 cm (3.75 in. by 1.71 in. by .95 in.)
- Approximate Weight: 85.2 grams (3.0 oz)
- Electrical Characteristics
Voltage Requirements: 9.75 - 13.5 volts
- Power Consumption: 1.1 watts (typical); 1.5 watts (maximum)

Warranty

HP 28685A EtherTwist MAU is warranted for 1 year against defects. Check with your local Hewlett-Packard Sales and Support Office or HP Authorized LAN dealer for more information.



**HEWLETT
PACKARD**

Technical information in this document is subject to change without notice.

Copyright © 1990 Hewlett-Packard Company

Printed in USA 1/90
5953-5044