

HP EtherTwist Hub and Hub Plus

Product Numbers 28684A/28688A

Networking is fast becoming the foundation for managing information in the business environment. To build a solid foundation you need networking products that you can count on—networking products that are reliable, economical and offer the high quality you've come to recognize in the name Hewlett-Packard. The HP EtherTwist Hubs are one part of HP's full line of twisted-pair networking products. Coupled with HP OpenView Hub Manager software, EtherTwist network products offer a fully manageable, scalable, and flexible networking solution.

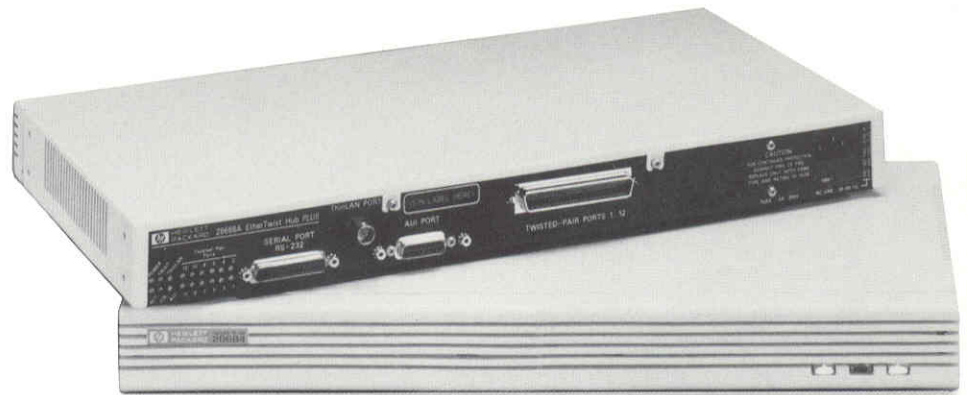
Features

HP 28684A EtherTwist Hub

- Offers twelve twisted-pair ports per hub using either a 50-pin connector or modular plugs using a modular adapter (HP product 28638A).
- Supports 100 meters of cable to a twisted pair MAU or PC link. Greater distances are possible depending on cable type.
- RS-232 port for configuration and maintenance allows users to configure ports and access statistics in the hub using a terminal or emulator connected to the hub directly or via a modem.

- LEDs allow a quick visual check for port status, collisions, errors, activity, and power.
- Compact, flexible package is designed to be wall mounted (flat or on end), stacked on a table-top, or racked with cabling in front or in back.
- Supports both IEEE 802.3 and Ethernet Versions 1.0 and 2.0
- Completely transparent to network operating system software
- Auto-segmentation of ports assists in fault isolation and improved network integrity.
- BNC for ThinLAN and AUI for fiber optics and ThickLAN connections.
- Supports voice and data over the same cable bundle.
- Fully compatible with existing HP StarLAN 10 networks.

10Base-T



HP 28688A EtherTwist Hub Plus Adds:

- Support of HP 28686A OpenView Hub Manager for centralized, LAN-based management from a single PC. (For a complete discussion of hub management refer to the 28686A OpenView Hub Manager product brief).
- Link test diagnostics for testing continuity to other addressable LAN devices.

Flexible Cabling

EtherTwist hubs provide the most flexible connections to both subnets and backbones. Twisted-pair connections can easily be made with either a 50-pin connector or modular jacks using 12-port modular adapter (HP product number 28638A). Backbone connections to the hub can be made using the integrated ThinLan (BNC) port for thin coax, and the AUI port for thick coax and fiber optics. Both the BNC and AUI ports can be connected at the same time. In addition, hubs can be cascaded using twisted-pair to twisted-pair connection or twisted-pair to AUI connection using an HP EtherTwist MAU. (HP Product No. 28685A)

Compatibility to Meet Your Changing Needs

EtherTwist hubs are completely backward-compatible to HP StarLAN 10 links, MAUs, and hubs through configuration of the link integrity signal (link beat). HP has also done extensive compatibility testing with other Type 10BASE-T equipment on the market today, giving you the confidence you need to build a network that best fits your business requirements.

Maximum Reliability Through Fault Isolation

The HP EtherTwist hub automatically identifies any segment disturbing the network and disconnects it from the rest of the networks (auto-segmentation), ensuring network integrity. Once the problem is corrected, the hub will automatically reconnect the segment.

Control Of Your Network With Hub Management

The HP EtherTwist Hub Plus offers capability to communicate over the LAN with HP OpenView Hub Manager (product number 28686A). Network administrators can communicate over the LAN to any EtherTwist Hub Plus from a single management station. Hub Manager continuously updates OpenView Windows' graphical icon network map to display the current state of the network, and notifies the network administrator of network events. Configuring, monitoring, and control of the entire network is made easy with HP OpenView Hub Manager and the HP EtherTwist Hub Plus.

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

- Dimensions: 42.54 cm by 23.50 cm by 4.34 cm (16.75 in. by 9.25 in. by 1.71 in.)
- Weight: 2.72 kg (6.0 lbs)

Electrical Characteristics

- Power Consumption
AC Voltage: 100-120 volts nominal
220-240 volts nominal
Current: .5 amps max at 100-120 volts—.25 amps max at 220-240 volts nominal
Frequency: 50/60 Hz

Warranty

HP 28684A and HP 28688A EtherTwist Hubs are warranted for one year against defects. Check with your local Hewlett-Packard Sales Office or HP Authorized LAN Dealer for more information.



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