

QUICKSPECS

Compaq Netelligent
10 T PCI UTP & 10 T/2 PCI
UTP/Coax Controllers

MODELS

Compaq Netelligent 10 T PCI UTP Controller

242500-001

242529-001 (6 pack)

242530-001 (50 pack)

Compaq Netelligent 10 T/2 PCI UTP/Coax Controller

292856-B21

292856-B22 (6 pack)

292856-B23 (50 pack)

The Compaq Netelligent 10 T PCI UTP and the 10 T/2 PCI UTP/Coax are low-cost, high performance Ethernet PCI controllers for clients and servers. These plug and play bus-mastering controllers provide optimum performance for 10Base-T and 10Base-2 networks.

STANDARD FEATURES

High Performance

These Ethernet PCI controllers utilize bus-mastering technology to maximize throughput and minimize CPU utilization.

Two models for 10Mb/s Ethernet

The 10 T PCI controller supports 10Base-T Ethernet networks, and the 10 T/2 PCI combo controller supports both 10Base-T and 10Base-2 networks.

Advanced Network Fault Correction and Detection for Compaq Servers

Provides for a redundant controller as a backup for a primary controller for mission critical applications on Compaq servers.

Adaptive Performance Optimization

Texas Instruments ThunderLAN feature, co-developed by Compaq, that automatically tunes the controller for optimum performance.

Plug and Play

Fully compliant with the PCI specification 2.0. Automatically configures memory and interrupt settings for easy installation.

Full Duplex Capability

Supports full duplex Ethernet, allowing two-way transmission between nodes for up to 20Mb/s aggregate bandwidth (10Base-T only).

Bracket Mounted LEDs

LEDs show link integrity and network activity for easy, 'at-a-glance' troubleshooting.

Warranty

Three-year limited warranty¹

SPECIFICATIONS

Compatibility

IEEE 802.3 compliant

Data Transfer Method

32-bit bus-master PCI

Network Transfer Rate

10Mb/s

Connector

RJ-45 for 10 T version

RJ-45 and BNC for 10 T/2 version

Dimensions

5.3 x 2.7 in/13.5 x 6.9 cm (10 T & 10 T/2)

Interrupt and I/O Address

Automatic Configuration

Environmental Requirements

Operating: 0° to 55°C/32° to 131°F

10% to 90% humidity (noncondensing)

Nonoperating: -65° to 85°C/-85° to 185°F

5% to 95% humidity (noncondensing)

Communication Processor

Texas Instruments ThunderLAN

Power Requirements

180mA @ +5V typical (10 T)

250mA @ +5V maximum (10 T/2)

135mA @ +12V maximum (10 T/2)

Emissions Standards

FCC Class B

EN55022 Class B

Canadian Class B

CE Compliant

VCCI 2nd Class

Cable Support

Category 3, 4, or 5 UTP; up to 100 meters
(328 feet) RG-58 Coax

OS Driver Support

Novell NetWare: DOS ODI and 3.x and 4.x Server
NDIS 2.0 DOS and OS/2: Microsoft LAN Manager,

Windows for Workgroups, IBM LAN Server,

Banyan VINES Client

NDIS 3.0: Microsoft Windows NT 3.51 & 4.x,

Windows for Workgroups, Windows 95

Banyan VINES Server

SCO Unix

RELATED PRODUCTS

Dual 10/100 TX PCI UTP Controller	242559-001
10/100 TX PCI UTP Controller	169845-001
10 T ISA UTP Controller	265615-001
10 T/2 ISA UTP/Coax Controller	265616-001
10 T PC Card UTP Controller	292806-B21
10 2 PC Card Coax Controller	292807-B21
10/100 TX PC Card UTP Controller	292812-B21

MODELS

Compaq Netelligent 10/100 TX PCI UTP Controller

169845-001

242527-001 (6 pack)

242528-001 (50 pack)

The Compaq Netelligent 10/100Base-TX PCI controller combines low cost and high performance for the best value connection to your 10Base-T or 100Base-TX network. Migration from 10 to 100 Mb/s is simple because this dual speed controller will automatically detect the network connection speed and adjust accordingly. This bus-mastering controller offers plug and play installation, full duplex capability, and a single RJ-45 connector for 10 or 100 Mb/s operation.

STANDARD FEATURES

High Performance

This controller utilizes bus-mastering technology to maximize throughput and minimize CPU utilization.

Plug and Play

Fully compliant with the PCI specification 2.0. Automatically configures memory and interrupt settings for easy installation.

Full Duplex Capability

Supports full duplex Ethernet, allowing two-way transmission between nodes for up to 20 or 200 Mb/s aggregate bandwidth.

Auto-Negotiating

Supports auto-negotiation at the physical layer to determine the network speed of the connected devices. Automatically configures to the highest common speed without requiring any changes to drivers or connectors.

Bracket Mounted LEDs

LEDs provide at-a-glance troubleshooting and ease of use. LEDs show link, network speed, and network activity.

Manageability

SNMP manageable. Works with the Compaq Insight Manager.

Warranty

Three Year Limited Warranty¹

SPECIFICATIONS

Network Interface

10Base-T/100Base-TX

Compatibility

IEEE 802.3/802.3u compliant

Data Transfer Method

32-bit bus-master PCI

Network Transfer Rate

10Base-T: 10 Mb/s

100Base-TX: 100 Mb/s

Connector

Single RJ-45

Dimensions

5.3 x 2.7 x .75 in/12.2 x 6.9 x 1.9 cm

I/O Address and Interrupt

Automatic Configuration

Environmental Requirements

Operating: 0° to 55°C;

10% to 90% humidity (noncondensing)

Nonoperating: -65° to 85°C;

5% to 95% humidity (noncondensing)

Communication Processor

Texas Instruments ThunderLAN

Power Requirements

614mA @ +5V typical

Emissions Standards

FCC Class B

EN55022 Class B

Canadian Class B

CE Compliant

VCCI 2nd Class

Cable Support

10Base-T: Categories 3, 4, or 5 UTP (2 or 4 pair); up to 100 meters (328 feet)

100Base-TX: Category 5 UTP (2 pair); up to 100 meters (328 feet)

OS Driver Support

- Novell NetWare DOS ODI and Requestor for OS/2, 3.x and 4.x Server
- NDIS 2.0 DOS and OS/2: Microsoft LAN Manager, Windows for Workgroups, IBM LAN Server, Banyan VINES Client
- NDIS 3.0: Microsoft Windows NT,
- Microsoft Windows 95, Windows for Workgroups
- Banyan VINES Server
- SCO Unix

RELATED PRODUCTS

10 T PCI UTP Controller	242500-001
NetFlex 3/E Controller	169800-001
NetFlex 3/P Controller	169810-001
10 T ISA UTP Controller	265104-001
10 2 ISA Coax/AUI Controller	265105-001

¹Certain restrictions and exclusions apply. Contact Compaq Networking Products Division Sales at 1-800-544-5255 or the Compaq Networking Technical Support Center (post sales) at 1-800-386-2172 for details.