

## MODELS

**Compaq NC3132  
Fast Ethernet Module  
Dual 10/100 Upgrade for the  
NC3131**  
338456-B22

With this Fast Ethernet upgrade module and Gigabit upgrade modules for the NC3131, Compaq is the first to introduce an industry-standard, scalable transition path from Ethernet to Fast Ethernet to Bonded Fast Ethernet to Gigabit.

### Other upgrade modules for the NC3131

Gigabit:

- NC6132: 1000 SX Upgrade Module

Compaq Fast Ethernet NIC Family

- NC3120: 10/100 TX PCI UTP
- NC3121: PCI, 10/100 WOL
- NC3122: PCI Dual 10/100
- NC3131: 64 PCI Dual Base 10/100

## OVERVIEW

The Compaq NC3132 Fast Ethernet Module provides two additional 10/100Base-TX ports for the NC3131 Fast Ethernet NIC. The upgrade module provides a scalable transition path from Ethernet to Fast Ethernet to Bonded Fast Ethernet.

The NC3132 contributes additional redundancy and bandwidth to the server without having to change the NIC or the operating system driver.

## EASE OF USE

### Plug and Play

The NC3132 plugs into the NC3131 Fast Ethernet NIC without requiring any tools. Fully compliant with the 2.1 PCI specification, the NC3132 upgrade module automatically configures its I/O address and interrupt settings for easy installation.

### Extensive Driver Support

The NC3132 uses the same operating system drivers as the NC3131 and no driver change is required when moving from 10 to 100 Mbps. In addition, these same drivers can be used for all Compaq Intel-based 10 or 100 Mbps NICs. Common drivers provide consistency, easy management, and support to save money and time.

### Auto-negotiation

The NC3132 senses for 10 or 100 Mbps and half or full duplex and automatically configures to the highest network connection speed between the NIC and hub or switch port.

## PERFORMANCE

### 64-Bit Bus

The NC3132 uses the NC3131 base card connector which is a 32/64-bit PCI Universal Connector for operation in 32- or 64-bit PCI slots.

### Port Bonding

The NC3132 supports Adaptive Load Balancing (ALB) and Cisco's Fast EtherChannel (FEC). ALB provides both failover support and balances transmit traffic across NICs for increased performance. For even higher performance, Cisco's Fast EtherChannel provides port failover and balances transmit and receive traffic across NICs.

### Bus-mastering

The NC3132 uses bus-mastering technology to maximize throughput and minimize CPU utilization.

## SECURITY/RELIABILITY

### Network Fault Tolerance (NFT)

This feature enables the NIC to keep an active link if a switch or hub link fails, by automatically switching to a backup NIC.

### PCI Hot Plug

The NC3132 includes PCI Hot Plug support that enables PCI networking controllers to be replaced or added to a server without powering down the system. This feature provides increased system availability and non-stop serviceability in business-critical computing environments.

### Warranty

Limited lifetime warranty<sup>1</sup>

### NETWORK MANAGEMENT

#### Standards-based

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The NC3132 supports the following industry network management standards to work with a broad spectrum of software utilities.

- SNMP
- DMI 2.0
- Web-Based Enterprise Management (WBEM)
- Unattended Install

#### Server Integration

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Compaq's SmartStart configuration utility includes setup support for the NC3132 so that it can be configured as part of the SmartStart configuration process in Compaq servers. Compaq Insight Manager can recognize the NC3132 individually or in port bonded teams, and can collect and report SNMP statistics on NIC events. The Compaq Network Management System (CNMS) can also collect and report SNMP statistics on the NC3132.

Integrated Management Log (IML) support is provided by the NC3132 for critical event logging on Compaq servers.

#### CPOSET+

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The CPOSET+ enhanced installation utility supports the NC3132 to allow the user to run initial diagnostics and configure NIC teams for ALB or other high-availability options.

#### Diagnostic LEDs

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For each port, LEDs show link integrity, network speed, and network activity at a glance for easy troubleshooting.

### SPECIFICATIONS

#### General Specifications

Both ports IEEE 802.3/802.3u 10Base-T and 100Base-TX compatible

Single RJ-45 connector for each port

Support for IEEE 802.3u Auto-Negotiation

Full or half duplex capable at 10 or 100 Mbps on both ports

IEEE802.3x flow control support

#### Power and Environmental Specifications

Operating

32° - 131°F (0° - 55°C) temperature

10% - 90% relative humidity

Non-operating

-85° - 185°F (-65° - 85° C) temperature

5% - 95% relative humidity

Power requirement

800 mA @ 5V max

Emissions standards

FCC Class A

FCC Class B

Safety compliance

CE Mark

Dimensions

5.7" L x 3.9" W (14.5 x 9.9 cm)

#### Operating System Support

Microsoft Windows NT 3.51 and 4.0

SCO UnixWare 7.x 32-bit

SCO UnixWare v2.x

NetWare Server 3.12, 4.1x, and 5.x

Open Server 5.x

## SPECIFICATIONS *(continued)*

### Kit Contents

- NIC hardware upgrade module
- Loop back cable
- CD ROM software
- Reference guide
- Read This First card
- Quick Install Guide
- Product warranty statement

### Software Feature Support by Operating System

Feature	Windows NT 3.51	Windows NT 4.0	UnixWare v2.x	UnixWare 7.x	Open Server5.x	NetWare 3.12, 3.2 Server	NetWare 4.11 Server	NetWare 5.0 Server
ALB		•					•	•
FEC		•					•	•
NFT		•					•	•
PCI Hot Plug		•*					•	•
CPOSET+		•						
DMI 2.0	•	•				•	•	•
SNMP	•	•				•	•	•
Unattended Install		•						
SmartStart		•				•	•	•
WBEM	•	•	•	•	•	•	•	•
Insight Mgr.	•	•	•	•	•	•	•	•
CNMS	•	•	•	•	•	•	•	•
IML		•	•	•	•			

\* Hot Plug Replace only

## COMPATIBILITY

### Workstations

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Compaq Professional Workstation 6000  
Compaq Professional Workstation 5100  
Compaq Professional Workstation SP700

### Servers

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Compaq ProLiant 400  
Compaq ProLiant 800 6/350E, 6/400, 6/450 MHz  
Compaq ProLiant 1600 (100 MHz)  
Compaq ProLiant 1600R (100 MHz)  
Compaq ProLiant 1850R  
Compaq ProLiant 3000 6/450  
Compaq ProLiant 3000R 6/450  
Compaq ProLiant 5500 Xeon  
Compaq ProLiant 5500R Xeon  
Compaq ProLiant 6000 Xeon  
Compaq ProLiant 6500 Xeon  
Compaq ProLiant 7000 Xeon

Certain restrictions and exclusions apply. Contact 1-800-OK-COMPAQ for details.

See Internet address <http://www.compaq.com> for overall information on Compaq Computer.

For further information on Compaq networking products, contact Compaq Networks and Access Communications Division Sales at 1-800-544-5255 or the Compaq Networking Technical Support Center (post sales) at 1-800-386-2172. For customer support and information about Compaq and its products, call 1-800-OK-COMPAQ.