

# QUICKSPECS

## MODELS

**Compaq NC6133  
Gigabit Module 1000 LX  
Upgrade Module for NC3131**  
338456-B24

With this Gigabit upgrade module for the NC3131 Fast Ethernet NIC, Compaq is the first to introduce an industry-standard, long haul, scaleable transition path from Ethernet to Fast Ethernet to Bonded Fast Ethernet to Gigabit.

### Optional Upgrade Modules

**Fast Ethernet  
NC3132: Dual 10/100  
Upgrade Module**  
338456-B22

**NC3133: 100 FX Upgrade  
Module**  
338456-B25

**Gigabit  
NC6132: 1000 SX  
Upgrade Module**  
338456-B23

### Fast Ethernet NIC Family

**NC3120: PCI, 10/100**  
317600-B21

**NC3123: PCI, 10/100 WOL**  
174830-B21

**NC3122: PCI Dual 10/100**  
317450-B21

**NC3131: Fast Ethernet NIC 64  
PCI Dual Base 10/100**  
338456-B21

### Gigabit Ethernet NIC Family

**NC6134: 1000 SX 64 PCI  
Gigabit NIC**  
174818-B21

## Overview

With the Compaq NC6133 Gigabit Module, Compaq offers the industry's first long haul Gigabit NIC. The modular approach allows a Gigabit network connection to be added to the server without having to replace the NIC. The NC6133, when added to an existing NC3131 provides three high-speed network connections through one PCI slot.

The 1000 LX upgrade module provides a scaleable transition for environments with distances requiring up to 5000 meters.

## PERFORMANCE

### 32/64-bit Bus-mastering

The NC6133 offers the highest data transfer method available between a network and a server for high performance and low CPU utilization. The NC6133 operates in 32- or 64-bit PCI slots and uses bus-mastering technology to maximize throughput and minimize CPU utilization.

### Port Bonding

Adaptive Load Balancing (ALB) and Cisco's Gigabit EtherChannel are two port bonding methods supported by the NC6133. ALB provides both failover and balancing of transmit traffic across all NICs for increased performance. For even higher performance, Cisco's Gigabit EtherChannel provides port failover and balancing of transmit and receive traffic across all NICs.

## SECURITY/RELIABILITY

### Network Fault Tolerance (NFT)

NFT support, sometimes called "NIC Redundancy" or "failover," enables the NIC to keep an active link if another NIC, switch or hub link fails by automatically switching to a backup NIC.

### PCI Hot Plug

The NC6133 includes PCI Hot Plug support, which enables it 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.

## NETWORK MANAGEMENT

### Standards-based

The NC6133 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)

## EASE OF USE

### Plug and Play

Fully compliant with the 2.1 PCI specification, the NC6133 uses the system resources to automatically configure its memory and interrupt settings.

### Server Integration

Compaq's SmartStart® configuration utility includes setup support for the NC6133 so it can be configured as part of the SmartStart configuration process. Compaq Insight Manager® and the Compaq Network Management System (CNMS) can collect and report SNMP statistics on NIC events.

Integrated Management Log (IML) support is provided by the NC6133 for critical event logging on Compaq servers. LEDs show link integrity and network activity for easy troubleshooting.

# QUICK SPECS

## EASE OF USE

### CPQNTAC

The CPQNTAC (Compaq Network Teaming and Configuration) utility allows the user to run initial diagnostics and configure NIC teams for Network Fault Tolerance, Adaptive Load Balancing or Cisco Gigabit EtherChannel (when used with a Gigabit EtherChannel-enabled switch)

### Diagnostic LEDs

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

### Compaq Total Solutions

The NC6133 provides a 1000 Mbps LX network connection between servers and the Compaq SW5411, SW5425, SW5450 and the GIGAswitch/Router. By integrating these Compaq solutions throughout a network, users can apply the complete set of Compaq management tools across their enterprise.

### Warranty<sup>1</sup>

Compaq supports this product with a limited lifetime warranty<sup>1</sup>. Technical support is available at your fingertips 24 hours a day, 7 days a week.

## SPECIFICATIONS

**Compliance** IEEE 802.3z compliant 1000 Mbps Ethernet specification  
PCI 2.1

### General Specifications

|                                                                                             |                           |
|---------------------------------------------------------------------------------------------|---------------------------|
| Communications Processor                                                                    | Intel 82542               |
|                                                                                             | Half and full duplex      |
| On-board memory                                                                             | 64 KB                     |
| Data path                                                                                   | 32 and 64-bit/33MHz       |
| Interrupt levels                                                                            | INTC                      |
| Bus architecture                                                                            | PCI bus-mastering         |
| Connectors                                                                                  | SC                        |
| Wavelength                                                                                  | LX = (1,300nm)            |
| Distance                                                                                    | up to 5,000 meters        |
| Wiring                                                                                      | Multi-mode fiber (62.5µm) |
| Dimensions (LxW)                                                                            | 6 x 2.5 in/15 x 6.4 cm    |
| 64-bit addresses for systems with more than 4 GB of physical memory                         |                           |
| 64-bit PCI host interface compliant with PCI 2.1                                            |                           |
| Command usage optimization for advanced PCI commands (MWI and memory reads)                 |                           |
| Software controlled global reset bit (resets everything except PCI configuration registers) |                           |

### Power and Environmental Specifications

|                     |                            |
|---------------------|----------------------------|
| Operating           |                            |
| Temperature         | 32° to 131°F/0° to 55°C    |
| Humidity            | 10% to 90%                 |
| Non-operating       |                            |
| Temperature         | -85° to 185°F/-65° to 85°C |
| Humidity            | 5% to 95%                  |
| Power requirement   | 1025 mA @ 5V max           |
| Emissions standards | FCC Class B                |
| Safety compliance   | CE Mark                    |

## SPECIFICATIONS *(continued)*

### Operating System Support

Windows NT 4.0  
Windows NT 3.51  
Novell NetWare 5.x Server  
Novell NetWare 4.x Server  
Novell NetWare 3.x Server  
SCO UnixWare 7.x  
SCO OpenServer 5.x  
SCO UnixWare 2.1  
Microsoft Windows 2000  
Microsoft Windows 98  
Microsoft Windows 95  
NetWare DOS Client  
MS DOS Client  
OS/2 Warp Server

### 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          |                 | •              |               |              |                |                          | •                   | •                  |
| GEC          |                 | •              |               |              |                |                          | •                   | •                  |
| NFT          |                 | •              |               |              |                |                          | •                   | •                  |
| PCI Hot Plug |                 |                |               |              |                |                          | •                   | •                  |
| CPQNTAC      |                 | •              |               |              |                |                          |                     |                    |
| DMI 2.0      | •               | •              |               |              |                | •                        | •                   | •                  |
| SNMP         | •               | •              |               |              |                | •                        | •                   | •                  |
| SmartStart   |                 | •              |               |              |                | •                        | •                   | •                  |
| WBEM         | •               | •              | •             | •            | •              | •                        | •                   | •                  |
| Insight Mgr. | •               | •              | •             | •            | •              | •                        | •                   | •                  |
| CNMS         | •               | •              | •             | •            | •              | •                        | •                   | •                  |
| IML          |                 | •              | •             | •            | •              |                          |                     |                    |

### Kit Contents

NC6133 upgrade module  
CD containing Drivers, User Guide, and Installation and Diagnostic Utility  
Quick Install Card  
Product Quality Statement  
Product Warranty Statement

### Warranty<sup>1</sup>

Limited Lifetime  
Year 2000 Compliant

# QUICK SPECS

---

## COMPATIBILITY

### Servers

---

Compaq ProLiant 8500  
Compaq ProLiant 8000  
Compaq ProLiant 7000 Xeon™  
Compaq ProLiant 6500 Xeon  
Compaq ProLiant 6000 Xeon  
Compaq ProLiant 5500R Xeon  
Compaq ProLiant 5500 Xeon  
Compaq ProLiant 3000R 6/450  
Compaq ProLiant 3000 6/450  
Compaq ProLiant 1850R  
Compaq ProLiant 1600R (100 MHz)  
Compaq ProLiant 1600 (100 MHz)  
Compaq ProLiant 800 6/350E, 6/400, 6/450 MHz  
Compaq ProLiant 400

<sup>1</sup> Certain restrictions and exclusions apply. Contact 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 Sales at 1-800-544-5255 or the Compaq 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.