

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.

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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.

Warranty¹

Compaq supports this product with a limited lifetime warranty¹. 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

Warranty¹

Limited Lifetime
Year 2000 Compliant

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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

¹ 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.

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