

MODELS

**Compaq NC6132
1000 SX Upgrade
Module for NC3134 and
NC3131**
338456-B23

With this Gigabit upgrade module for the NC3134 or NC3131 Fast Ethernet adapters, Compaq has the only industry-standard, scalable transition path from Ethernet to Fast Ethernet to Bonded Fast Ethernet to short haul fiber Gigabit.

Optional Upgrade Modules

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

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

**NC3135: Dual 10/100 Upgrade
Module**
138604-B21

**Gigabit
NC6133: 1000 LX
Upgrade Module**
338456-B24

Fast Ethernet NIC Family

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

**NC3134: Fast Ethernet NIC 64
PCI Dual Base 10/100**
138603-B21

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

Overview

With the Compaq NC6132 Gigabit Upgrade Module, Compaq offers the industry's only modular approach to adding a Gigabit network connection to servers without having to replace the base adapter.

The NC6132 is a 1000 SX Upgrade Module for the NC3134 and NC3131 Fast Ethernet adapters. This upgrade module provides a scalable transition from Ethernet to Fast Ethernet or Bonded Fast Ethernet to Gigabit and provides three high-speed network connections through one server slot.

EASE OF USE

Plug and Play

Fully compliant with the 2.1 PCI specification, the NC6132 uses the system resources to automatically configure its memory and interrupt settings.

PERFORMANCE

32-/64-bit Bus-mastering

The NC6132 offers the highest data transfer method available between a network and a server for high performance and low CPU utilization. The NC6132 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 NC6132. ALB provides both failover and balancing of transmit traffic across all NICs for increased performance. For even higher performance, Cisco's Gigabit EtherChannel (GEC) provides port failover and balancing of transmit and receive traffic across all adapters when connected to a switch that supports GEC.

Bus-mastering

The NC6132 uses bus-mastering technology to maximize throughput and minimize CPU utilization.

SECURITY/RELIABILITY

Network Fault Tolerance (NFT)

NFT support, sometimes called "Redundancy" or "failover," allows the server to always keep an active link. Using either of the ports on the base adapter or after installing a second, compatible adapter, if the primary network connection fails for any reason, the second, backup adapter will automatically take over, retaining the network connection.

PCI Hot Plug

The NC6132 includes PCI Hot Plug support that enables PCI networking controllers to be replaced or added to a PCI Hot Plug compatible server without powering down the system. This feature provides increased system availability and non-stop serviceability in business-critical computing environments.

The NC6132 plugs into the NC3134 or NC3131 Fast Ethernet adapters without requiring any tools.

NETWORK MANAGEMENT

Standards-based

The NC6132 supports the following Compaq Management tools and industry network management standards:

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

Server Integration

Compaq's *SmartStart*[™] configuration utility includes setup support for the NC6132 so that it can be configured as part of the SmartStart configuration process. Compaq Insight Manager or Insight Manager XE can recognize the NC6132 individually or in port bonded teams, and can collect and report SNMP statistics on the NIC events. Compaq Network Management System (CNMS) can also collect and report SNMP statistics on NIC events.

Integrated Management Log (IML) support is provided by the NC6132 for critical event logging on Compaq servers.

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) in the Windows 2000 and Windows NT operating systems.

Diagnostic LED Indicators

For each port, LED Indicators show link integrity and network activity "at-a-glance" for easy troubleshooting.

SPECIFICATIONS

General Specifications

IEEE 802.3z compliant 1000 Mbps Ethernet specification
Half- and full-duplex operation
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)
Auto-negotiation (hardware and software implementations)
Additional statistics for management and RMON
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 maximum

Emissions standards
FCC Class A
FCC Class B

Safety compliance CE Mark

Dimensions (LxW)

6.5 x 2.5 in/16.5 x 6.4 cm

SPECIFICATIONS *(continued)*

Operating System Support	Windows 2000
	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
	MS DOS Client for unattended installs
	OS/2 Warp Server
	Kit Contents
	CD-ROM software
	Quick Install Guide
	Product warranty statement

Software Feature Support by Operating System

Feature	Windows 2000	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
NFT	•		•						
PCI Hot Plug	•*		•*					•	•
CPQNTAC	•		•						
DMI 2.0	•	•	•				•	•	•
SNMP	•	•	•				•	•	•
Unattended Install	•		•						
SmartStart	•		•				•	•	•
WBEM	•	•	•	•	•	•	•	•	•
Insight Mgr. Insight Mg. XE	•	•	•	•	•	•	•	•	•
CNMS	•	•	•	•	•	•	•	•	•

* Hot Plug Replace only

Warranty

Limited lifetime warranty

Note: Certain restrictions and exclusions apply. Contact 1-800-OK-COMPAQ for details. In Canada, consult the Product Information Center at 1-800-567-1616.

See Internet address <http://www.compaq.com> for overall information on Compaq Computer. Please note this website is available in English only.

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.