

MODELS

Compaq NC3134 Fast Ethernet NIC 64 PCI Dual Base 10/100

138603-B21

With this Fast Ethernet server adapter and the optional upgrade modules, Compaq is the only provider of an industry-standard, flexible transition path from Ethernet to Fast Ethernet to Bonded Fast Ethernet to Gigabit.

Optional Upgrade Modules for use with the NC3134 or NC3131:

NC6133 1000 LX Upgrade Module

338456-B24

NC6132 1000 SX Upgrade Module

338456-B23

NC3135 Dual 10/100 Upgrade Module

138604-B21

NC3133 100 FX Upgrade Module

338456-B25

NC3132 Fast Ethernet Dual 10/100 Upgrade Module

338456-B22

Fast Ethernet Server Adapters:

NC3131 Fast Ethernet NIC 64 PCI Dual Base 10/100

338456-B21

NC3123 PCI, 10/100 WOL

174830-B21

Gigabit Server Adapters:

Compaq NC7132 10/100/1000-T Upgrade Module

153543-B21

NC7131 Gigabit Server Adapter, PCI, 64/66, 10/100/1000-T

158575-B21

NC6136 Gigabit Server Adapter PCI, 64/66, 1000-SX

203539-B21

OVERVIEW

Compaq ships the industry's only modular network interface controller that provides a scalable transition path from Ethernet to Fast Ethernet to Bonded Fast Ethernet to Gigabit network connections. The Compaq NC3134 Fast Ethernet server adapter includes two 10/100 BASE-TX ports with optional upgrade modules for two additional 10/100 BASE-TX ports, a 100 FX port, or a Gigabit port.

The NC3134 provides a cost-effective transition for server adapter upgrades. Its modular design enables additional fault-tolerant redundancy and the ability to upgrade to higher network performance without having to replace the base adapter.

PERFORMANCE

64-bit/66-MHz Bus Support

Efficient data transfer between the network and PC is essential for high-performance and low CPU utilization. The NC3134 includes a 32/64-bit PCI Universal Connector to work in either 32- or 64-bit bus slots, and it supports both 33- and 66-MHz bus speeds.

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PERFORMANCE *(continued)*

Port Bonding

Transmit Load Balancing (TLB) and Switch-Assisted Load Balancing (FEC/GEC/802.3ad static mode configuration only) are two port bonding methods supported by the NC3134. TLB provides both failover and balancing of transmit traffic across all adapters for increased performance. For even higher performance, Switch-Assisted Load Balancing (SLB) provides port failover and balancing of both transmit and receive traffic across all adapters when connected to a switch that supports this feature.

Bus-mastering

The NC3134 uses bus-mastering technology to maximize throughput and minimize CPU utilization.

Performance Enhancements

The NC3134 supports Interrupt Coalescence in all the major OS environments, reducing CPU utilization. The NC3134 also provides Receive Checksum Offload capabilities when it runs in a Windows® 2000 environment.

EASE OF USE

Plug and Play

Compliant with the 2.2 PCI specification, this server adapter automatically configures its I/O address and interrupt (IRQ) settings for easy installation.

Common Driver Support

The NC3134 operating system drivers can be used for all Compaq Intel-based 10 or 100 Mbps network connections. No driver change is required when moving from 10 to 100 Mbps. Common drivers provide consistency, easy management and support, and save money and time.

Auto-negotiation

The NC3134 senses 10 or 100 Mbps and half- or full-duplex and automatically configures to the highest common network connection speed between the server adapter and hub or switch port.

SECURITY/RELIABILITY

Network Fault Tolerance (NFT)

The network fault tolerance feature of the NC3134 ensures that the server can always keep an active link if a second adapter is installed. If the primary network connection fails, the second (backup) adapter will automatically take over, retaining the network connection. The NC3134 can be configured to fail over to any NC31xx, NC61xx, or NC71xx adapter by using the latest drivers.

PCI Hot Plug

The NC3134 includes PCI Hot Plug support that enables PCI network 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.

NETWORK MANAGEMENT

Standards-based

The NC3134 supports the following network management standards:

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

NETWORK MANAGEMENT *(continued)*

Server Integration

Compaq's *SmartStart*™ configuration utility includes setup support for the NC3134 so that the adapter can be configured as part of the SmartStart configuration process. Compaq Insight Manager can recognize the NC3134 individually or in port bonded teams, and can collect and report SNMP statistics on the adapter events. The Compaq Network Management System can also collect and report SNMP statistics on the NC3134.

Integrated Management Log (IML) support is provided by the NC3134 for critical event logging on Compaq servers.

Configuration Utilities

The NC3134 ships with a suite of OS-tailored configuration utilities that allow the user to run initial diagnostics and configure adapter teams for Network Fault Tolerance, Transmit Load Balancing, or Switch-Assisted Load Balancing (FEC/GEC/802.3ad static mode configuration only) in the Windows 2000 and Windows NT® operating systems.

CPQNTAC supports Windows NT, CPQTEAM supports Windows 2000, and CPQANS supports NetWare.

Diagnostic LED Indicators

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

SPECIFICATIONS

General Specifications	Dual port 10/100BASE-TX base card		
	Both ports IEEE 802.3/802.3u 10BASE-T and 100BASE-TX compatible		
	33-/66-MHz PCI-to-PCI bridge		
	32-/64-bit PCI bus-master interface		
	Base card upgradable to additional two ports of 10/100BASE-TX, 100 FX, or Gigabit Ethernet SX/LX		
	EEPROM support for configuration and customization feature section		
	Single RJ-45 connector for each port		
	Cable support – Category 3, 4, 5 UTP for 10 Mbps and Category 5 UTP for 100 Mbps		
	Support for IEEE 802.3u Auto-Negotiation		
	Full- or half-duplex capable at 10 or 100 Mbps on both ports		
Power and Environmental Specifications	Operating	Temperature	32° to 131°F/0° to 55°C
		Humidity	10% to 90% (relative)
	Non-operating	Temperature	–85° to 185°F/–65° to 85°C
		Humidity	5% to 95% (relative)
	Power requirement	500ma @ 5VDC maximum	
	Emissions standards	FCC Class A	
FCC Class B			
Safety compliance	CE Mark		
Dimensions (LxW)	7.4 x 5 in/18.8 x 12.7 cm		
Operating System Support	Windows 2000		
	Windows NT 4.0		
	Novell® NetWare® 5.x Server		
	Novell NetWare 4.x Server		
	Novell NetWare 3.x Server		
	SCO® UnixWare™ 7.x		
	SCO OpenServer™ 5.x		
	NetWare DOS Client for unattended installation		
	MS-DOS Client for unattended installation		
	OS/2 Warp Server		
Kit Contents	NC3134 server adapter hardware		
	Loop back cable		
	CD-ROM: software and documentation		
	Quick Install card		
	Product warranty statement		

SPECIFICATIONS *(continued)*

Software Feature Support by Operating System

FEATURE	Windows 2000	Windows NT 4.0	Linux 32-bit	UnixWare 7.x	Open Server 5.x	NetWare 3.12, 3.2 Server	NetWare 4.11 Server	NetWare 5.0 Server
TLB	•	•					•	•
SLB	•	•					•	•
NFT	•	•		•	•		•	•
PCI Hot Plug	•*	•*					•	•
Configuration Utility	•	•				•	•	•
DMI 2.0	•	•				•	•	•
SNMP	•	•	•			•	•	•
Unattended Install	•	•				•	•	•
SmartStart		•	•			•	•	•
WBEM	•	•	•	•	•	•	•	•
Compaq Insight Manager	•	•	•	•	•	•	•	•
Compaq Insight Manager XE	•	•	•	•	•	•	•	•
IML	•	•	•	•	•	•	•	•

* Windows 2000: Hot Plug add/replace; Windows NT 4.0: Hot Plug replace only

Warranty

Maximum: The remaining warranty of the Compaq server product in which it is installed (to a maximum of a three-year limited warranty).

Minimum: One-year, on-site limited warranty.

Note: Certain restrictions and exclusions apply. Call 1-800-OK-COMPAQ.

For additional information about Compaq and its products, refer to the Compaq web site at <http://www.compaq.com>.

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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