QUICKSPECS

MODELS

Compaq NC3133
Fast Ethernet Module
100 FX Upgrade Module for
NC3131
338456-B25

With the NC3133 100 FX Upgrade Module, Compaq introduces 100 Mbps support for environments requiring the additional distance and security available through fiber optic cabling.

Optional Upgrade Modules

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

Gigabit
NC6132: 1000 SX
Upgrade Module
338456-B23

NC6133: 1000 LX
Upgrade Module
338456-B24

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

The NC3133, when plugged into a NC3131, adds a 100 Mbps Fast Ethernet network connection over fiber optic cable for server backbones and campus-wide connectivity. This upgrade module is ideal for sites with extended distance requirements, the need for added security, or EMI protection.

PERFORMANCE

32-bit Bus-mastering

The NC3133 offers the highest level 100 Mbps data transfer method available between the network and 32-bit slots for high performance and low CPU utilization. The NC3133 uses bus-mastering technology to maximize throughput and minimize CPU utilization.

Port Bonding

Adaptive Load Balancing (ALB) and Cisco's Fast EtherChannel are two port bonding methods supported by the NC3133. ALB provides both failover and balancing of transmit traffic across all NICs for increased performance. For even higher performance, Cisco's Fast EtherChannel provides port failover and balancing of transmit and receive traffic across all NICs when used with a Fast EtherChannel enabled switch.

SECURITY/RELIABILITY

Network Fault Tolerance (NFT)

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

PCI Hot Plug

The NC3133 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 NC3133 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)

Server Integration

Compaq's SmartStart® configuration utility includes setup support for the NC3133 so the NIC can be configured as part of the SmartStart configuration process. Compaq Insight Manager® can recognize the NC3133 individually or in port bonded teams, and can collect and report SNMP statistics on the NIC events. The Compaq Network Management System (CNMS) can also collect and report SNMP statistics on the NC3133.

Integrated Management Log (IML) support is provided by the NC3133 for critical event logging on Compaq servers.

Diagnostic LEDs

LEDs show link integrity and network activity for easy troubleshooting.

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EASE OF USE

Plug and Play

Fully compliant with the 2.1 PCI specification, this NIC automatically configures its I/O address and interrupt (IRQ) settings for easy installation.

CPQNTAC

The CPQNTAC (Compaq Network Teaming and Configuration) utility allows the user to run initial diagnostics and configure NIC teams for NFT, ALB or Cisco Fast EtherChannel (when used with a Fast EtherChannel-enabled switch).

Compaq Total Solutions

The NC3133 provides a 100Mbps fiber-based network connection between servers and the Compaq SW5226A, SW3323, the GIGAswitch/Router, and the MultiSwitch 700. By integrating these Compaq solutions throughout a network, users can apply the complete set of Compaq management tools across their enterprise.

Warranty[1]

Compaq supports this product with a limited lifetime warranty[1]. 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 82558
	Full and half
On-board memory	6KB
Data path	32-bit/33MHz
Interrupt levels	INTC
Bus architecture	PCI bus-mastering
Connectors	SC
Wavelength	FX = (1,300nm)
Distance	up to 2,000 meters
Wiring	Multi-mode fiber (62.5 µm / 50µm)
Dimensions (LxW)	6 x 2.5 in/15 x 6.4 cm

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

NC3133 100FX Upgrade Module
CD containing Drivers, User Guide, and Installation and Diagnostic Utility
Quick Install Card
Product Quality Statement
Product Warranty Statement

Warranty[1]

Limited Lifetime
Year 2000 Compliant

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COMPATIBILITY

Workstations

Compaq Professional Workstation SP700

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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