

### MODELS

**Compaq NC3122 Dual Port  
Fast Ethernet NIC**  
317450-B21

The Compaq NC3122 Dual Port Fast Ethernet NIC provides redundancy and high-performance for workgroup and Enterprise servers transitioning from single port Ethernet or Fast Ethernet to Bonded Fast Ethernet.

#### Fast Ethernet NIC Family

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

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

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

### Overview

The Compaq NC3122 Dual Port Fast Ethernet Network Interface Controller (NIC) provides a low-cost, dual port solution for workgroup to enterprise class servers that need the increased server availability, performance, and network connection redundancy.

The NC3122 is based on Intel's 82558 communications processor, and delivers industry-standard drivers that are compatible with both Compaq and Intel Fast Ethernet NICs.

The dual ports enable users to take advantage of multiple 10/100 ports without having to take up a second server slot. This allows the user to make better use of systems resources, while increasing available network connections and network performance.

### PERFORMANCE

#### High-Performance and Flexibility for Today's Businesses

Full-duplex support allows the NC3122 to transmit and receive data simultaneously at rates up to 20 Mbps for Ethernet and 200 Mbps for Fast Ethernet per port. Performance is further enhanced with 6 KB of buffer memory, which makes for low CPU utilization at high throughputs. Auto-sensing capabilities enable it to automatically negotiate between 10 and 100 Mbps to achieve the highest common speed on the network.

#### Port Bonding

Adaptive Load Balancing (ALB) and Cisco's Fast EtherChannel are two port bonding methods supported by the NC3122. ALB provides both failover and balancing of transmit traffic across NICs for increased performance. For even higher performance, Cisco's Fast EtherChannel (FEC) provides port failover and balancing of transmit and receive traffic across all NICs when connected to a switch that supports FEC.

#### Bus-mastering

This controller uses bus-mastering technology to maximize throughput and minimize CPU utilization.

### SECURITY/RELIABILITY

#### Network Fault Tolerance

The NC3122 network fault tolerance feature ensures that the server can always keep an active connection if a switch or hub link fails, by automatically switching to a secondary NIC or port.

#### PCI Hot Plug

This feature enables NICs to be replaced or added to a PCI Hot Plug compatible server without having to take the system down. This feature provides increased system availability and non-stop serviceability in business-critical computing environments.

### NETWORK MANAGEMENT

#### Standards-based

The NC3122 also provides standard SNMP MIB support, as well as SmartStart support for Compaq server installation. Network activity can be monitored remotely with Compaq's CNMS network management software, Compaq Insight Manager, or any SNMP-compliant management software.

The NC3122 supports DMI 2.0 (Desktop Management Interface) for inventory control and asset management. Additionally, the NC3122 has support for Web-Based Enterprise Management (WBEM).

### EASE OF USE

#### Plug and Play

The NC3122 features a robust Plug-and-Play capability and PCI 2.1 support for conflict-free auto configuration. With SmartStart support, NIC installation is easily integrated into the setup of the operating system and machine.

#### Common Driver Support

The NC3122 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.

#### Troubleshooting

LEDs indicate link, speed, and network activity for "at-a-glance" troubleshooting.

#### World Class Compaq Reliability

Designed with quality and investment protection in mind, the NC3122 Fast Ethernet NIC meets all of Compaq's demanding design and manufacturing standards. Surface-mount technology, ASIC-based hardware, state-of-the-art manufacturing facilities, a top-notch quality inspection, and testing provide the reliability and quality you expect from a Compaq product.

#### Conformance to Industry Standards

The NC3122 is fully compatible with Windows NT and Microsoft's PC98 networking standards. Additionally, the NC3122 is Novell NetWare certified and Year 2000 compliant.

#### 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

#### General Specifications

IEEE 802.3/802.3u compliant  
10Base-T/100Base-TX network interface  
32-bit bus-master PCI data transfer method  
10Base-T: 10 Mbps  
100Base-TX: 100 Mbps network transfer rate  
Automatic configuration of I/O address and interrupt  
Dual RJ-45 connector  
Intel 82558

#### Cable Support

10Base-T Categories 3, 4, or 5 UTP (2 or 4 pair); up to 328 feet (100 meters)  
100Base-TX Category 5 UTP (2 pair); up to 328 feet (100 meters)

#### Power and Environmental Specifications

Operating  
Temperature 32° to 131°F/0° to 55°C  
Humidity 10% to 90% (non-condensing)  
Non-operating  
Temperature -85° to 185°F/-65° to 85°C  
Humidity 5% to 95% (non-condensing)  
Power requirement 5V @ 300 mA maximum  
Emissions Standards FCC Class B  
EN55022 Class B  
CE Compliant

## **SPECIFICATIONS** *(continued)*

<b>Dimensions</b>	6.4 x 4.78 x 0.75 in/16.26 x 12.14 x 1.9 cm
<b>Operating System Support</b>	Microsoft Windows NT 4.0 Microsoft 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
<b>Kit Contents</b>	NIC hardware Loop back cable CD-ROM software Read This First card Quick Install card Product warranty statement Reference guide

<sup>1</sup> Certain restrictions and exclusions apply. Contact Compaq Networking Product Division Sales at 1-800-544-5255 or the Compaq Networking Technical Support Center (post sales) at 1-800-386-2172 for details. In Canada consult the Product Information Center at 1-800-567-1616 for details.