

MODELS

IBM 16/4 Token Ring PCI Special NIC

133749-B21 Single

The IBM 16/4 Token Ring PCI Special NIC provides a Wake on LAN (WOL) feature that enables PCs to be powered up remotely for after hours and remote site maintenance.

Token Ring NIC Family:

**16/4 TR ISA IBM UTP/STP
Controller**
301207-B21

16/4 TR IBM PC Card
301208-B21

**NC4621: Token Ring NIC PCI
4/16 WOL**
379956-B21

Overview

The IBM 16/4 Token Ring PCI Special NIC is built on IBM's flagship technology and is designed to decrease cost while increasing performance for customers in a Token Ring environment. The IBM 16/4 Token Ring PCI Special NIC has features for both ProLiant Servers and Deskpro PC's customers.

PERFORMANCE

DTR (Dedicated Token Ring)

Full bandwidth can be dedicated to a workstation by providing a direct connection between it and a Token Ring switch that supports DTR. Full-duplex support allows the IBM 16/4 Token Ring PCI Special NIC to transmit and receive data simultaneously for rates up to 32 Mbps.

SECURITY/RELIABILITY

PCI Hot Plug Support

This feature enables NICs to be replaced or added to a PCI Hot Plug compatible server without having to power off the server. This can reduce NIC maintenance time and allows for system maintenance during regular business hours. Currently this functionality is only supported on Novell NetWare.

NETWORK MANAGEMENT

Wake On LAN

IBM 16/4 Token Ring PCI Special NIC provides two popular methods of Wake on LAN support: using a 3-pin header or through the PCI bus. A system that supports Wake on LAN can remain available to a systems administrator during its normal downtime. Once the machine is awakened, the systems administrator can remotely control, audit, debug or manage the machine.

Manageability

Along with Wake on LAN, the IBM 16/4 Token Ring PCI Special NIC also provides standard SNMP MIB and DMI 2.0 support.

EASE OF USE

Plug and Play

The IBM 16/4 Token Ring PCI Special NIC features a robust plug and play capability for conflict-free auto configuration. Compaq's SmartStart configuration utility includes diskette images for the IBM 16/4 Token Ring PCI Special NIC so the NIC can be configured easily in server environments.

Driver Support

IBM 16/4 Token Ring PCI Special NIC drivers are backward compatible with the Netelligent 16/4 TR PCI IBM UTP/STP Controller and thus protects customer's current investments.

Customers' investments in the IBM 16/4 Token Ring PCI Special NIC will also be protected through future driver releases. When Microsoft, Novell, SCO, and others introduce new versions of operating systems, Compaq will create drivers that work with these operating systems. IBM 16/4 Token Ring PCI Special NIC hardware upgrades will not be needed.

Auto-negotiation

Auto-sensing capabilities enable the IBM 16/4 Token Ring PCI Special NIC to automatically negotiate between 4 and 16 Mbps to achieve the highest common speed on the network. As businesses evolve from 4 to 16 Mbps Token Ring networks, there will be no need to buy new Token Ring NICs.

EASE OF USE *(continued)*

MAC Address Labels

IBM 16/4 Token Ring PCI Special NIC has a MAC address label on the outside of the bracket to make network troubleshooting easier.

Conformance to Industry Standards

The IBM 16/4 Token Ring PCI Special NIC is fully compatible with Windows NT and Microsoft's PC98/PC99 networking standards. Additionally, the IBM 16/4 Token Ring PCI Special NIC is Novell NetWare certified.

Warranty

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

Basic Token Ring (IEEE 802.5)
Dedicated Token Ring (IEEE 802.5R)
PCI 2.2 and 2.1

General Specifications

Wake on LAN (WOL)
16/4 Mbps
16K transmit & 4K receive buffer memory
PCI Hot Plug for Novell NetWare
5V
DTR for full-duplex support
Bus mastering
Boot ROM socket
UTP/STP support with RJ-45 and DB9 ports

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
Microsoft Windows 98
Microsoft Windows 95
Microsoft Windows for Workgroups 3.11
NetWare DOS Client
MS DOS Client
OS/2 Warp 4

SPECIFICATIONS *(continued)*

Power and Environmental Specifications

Operating	
Temperature	50° to 95°F /10° to 35°C
Humidity	8% to 80% (non-condensing)
Non-operating	
Temperature	-22° to 140°F/-30° to 60°C
Humidity	5% to 90% (non-condensing)
Power Requirements	5V dc/1.5W max
Emissions Standard	FCC Class A FCC Class B ²
Safety Compliance	CE Mark

Kit Contents

IBM 16/4 Token Ring PCI Special NIC
WOL cable for PCI 2.1 WOL systems
CD that includes Drivers, User's Guide, and Installation and Diagnostic Utility
Quick Install Card
Quality Statement
Product Warranty Statement
Limited Lifetime
Year 2000 Compliant

Warranty¹

¹ Certain restrictions and exclusions apply. Contact 800-OK-COMPAQ for details.

² Shielded Power Cord is required to meet this requirement.

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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