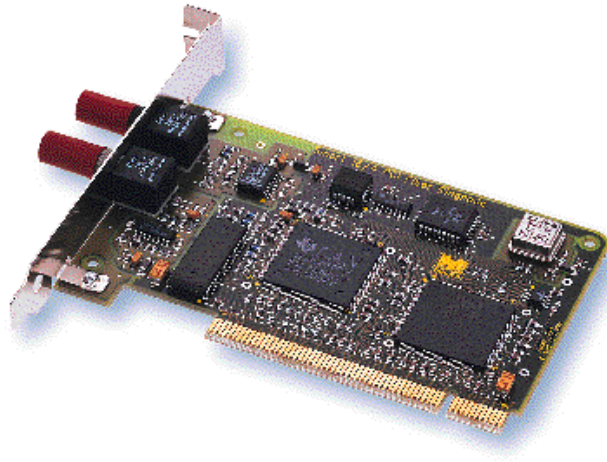


# Madge Smart 16/4 Fiber PCI Ringnode

**THE HIGH-PERFORMANCE TOKEN RING ADAPTER  
FOR FIBER CONNECTION OF PCI**



Designed for customers who require unrivaled network reliability, the Smart 16/4 Fiber PCI Ringnode is able to provide a secure network connection and long distance transmission capability in almost any environment. This adapter also offers the unique flexibility to support both demanding server environments as well as the latest high-specification desktop PCs.



#### **FAULT-TOLERANCE**

The Smart 16/4 Fiber PCI Ringnode provides a secure network connection by allowing direct connection of fiber cable to either clients or servers.

Fiber connections provide immunity from electromagnetic interference ensuring optimum data transmission efficiency. The result is zero data corruption in 'noisy' environments such as manufacturing plants. Also, security risks are minimized, due to the inherent properties of fiber-optic cabling. Transmissions are difficult to intercept as no radio frequency emissions exist.

Fiber provides support for geographically dispersed workstations up to two km from central hubs, compared to only 100m for standard copper – thus making fiber a sound, long-term investment that paves the way for migration to faster technologies.

#### **EASY INSTALLATION**

Easy-to-use installation utilities provide a quick and effective configuration for the first-time user while allowing experienced

users the shortest possible installation path. The Smart 16/4 Fiber PCI Ringnode is completely switchless, ensuring easy configuration and high reliability. Plug'n' Play support allows hardware settings to be configured automatically when the PC boots up, while the driver software dynamically detects the adapter settings. The installer only specifies ring speed to make the card operational.

#### **ADDED FAULT-TOLERANCE**

Madge's unique server network adapter mirroring feature provides additional fault tolerance for mission-critical NetWare or NT servers by allowing two adapters to be installed, one of which acts as a backup and can instantly take over should the first lose its network connection.



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## POWERFUL LAN SUPPORT SOFTWARE

The adapter is supplied with Madge Smart LAN Support Software; a complete set of drivers and utilities for all Smart 16/4 Ringnodes. This includes a range of host-resident Fastmac Plus™ drivers for highest performance, and Madge's unique adapter-resident Smart Software for multiprotocol drivers.

With 512KB on-board memory, any combination of ODI, NDIS, LLC, NetBIOS, IPX or TCP/IP protocols can be downloaded concurrently, offering significant DOS memory savings over other driver configurations. Support is also offered for the latest Novell Client-32 requester, which gives further DOS memory configuration options.

## REDUCED SUPPORT COSTS

Madge's Smart LAN Support Software covers all Smart 16/4 Ringnodes (PCI, ISA, EISA, etc.), so users may benefit from a reduction in overall support costs. This is achieved by simplifying network support procedures needed to administer a large number of Madge adapters.

## UNIVERSAL FUNCTIONALITY

The Smart 16/4 Fiber PCI Ringnode may be connected directly to any wiring concentrator complying with the IEEE 802.5j standard. A wide variety of wiring concentrators now provide support for fiber-optic media to the desktop.

## DISKLESS BOOTING

The Smart 16/4 Fiber PCI Ringnode is equipped with an on-board Smartrom. Madge's re-programmable remote boot ROM for RPL or Novell NetWare. Remote booting provides centralized management of PC boot files and configuration data, improves security against viruses and data loss, and supports disk-less workstations.

## CUSTOMER SUPPORT WITHOUT LIMITS

The Madge Smart 16/4 Fiber PCI Ringnode is backed by Madge's world-renowned expertise in networking. Madge's premier service and support organization continues to satisfy the needs of our extensive installed base in the most demanding Global 1000 companies.

A worldwide network of field service engineers provide a wide range of technical services including on-site technical support and software upgrades. Customers can also download up-to-date technical information from on-line services such as CompuServe, or can contact the Madge World Wide Web home page (<http://www.madge.com>). The Madge Smart 16/4 Fiber PCI Ringnode comes with a lifetime hardware warranty\* and a 30-day installation guarantee, which includes a free technical hotline support and on-site assistance as required.

*\*Full details available on request.*

## PRODUCT SPECIFICATIONS

<b>Network Type:</b>	4 or 16 Mbps IBM and IEEE 802.5j Token Ring over fiber
<b>Supply Voltage:</b>	+5V DC $\pm$ 5%
<b>Power:</b>	3W maximum
<b>Bus Interface:</b>	32-bit bursting bus master PCI v2.1 compatible
<b>Ring Interface:</b>	ST (bayonet) connectors
<b>Fiber-Optic Media:</b>	62.5/125 and 50/125 micron multimode graded index
<b>Maximum Lobe</b>	
<b>Cable Length:</b>	2 km with 62.5/125 media
<b>EMC Compatibility:</b>	FCC class A, EN50082-1 EN55022 class A / B (Pending)
<b>Memory:</b>	512 KB DRAM on-board

<b>IRQ Options:</b>	System allocated (1 IRQ)
<b>I/O Options:</b>	System allocated (32 Bytes)
<b>Dimensions:</b>	140mm x 80mm
<b>Weight:</b>	0.09Kg (approx.)
<b>Temperature Range:</b>	0-50°C
<b>Humidity Range:</b>	10%-80% non-condensing
<b>Warranty Period:</b>	Lifetime*

## ORDERING INFORMATION

PART NO:	DESCRIPTION
51-09	Smart 16/4 Fiber PCI Ringnode (single pack)



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