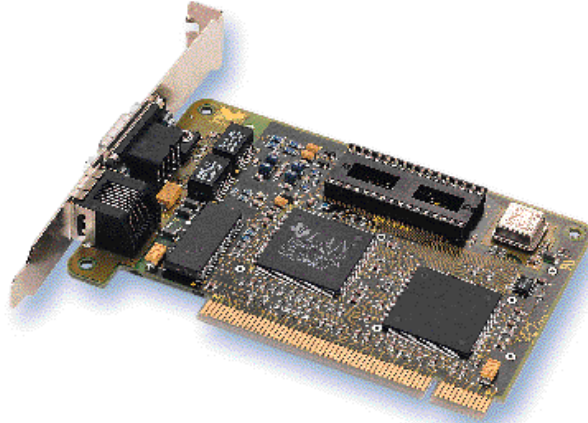
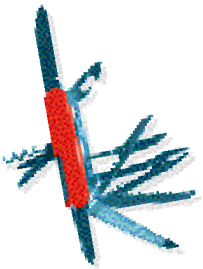


Madge Smart 16/4 PCI Ringnode (Bus Master)

**THE HIGH-PERFORMANCE PCI TOKEN RING ADAPTER
FOR CLIENT AND SERVER APPLICATIONS**



Designed for network-wide deployment, the Smart 16/4 PCI Ringnode is a cost-effective Token Ring adapter that is simple to install and easy to use. Unlike comparable adapters, the Smart 16/4 PCI Ringnode combines high-performance with considerable reductions in CPU utilization, giving customers the opportunity to use a single adapter in both clients and servers.



FLEXIBILITY

The Smart 16/4 PCI Ringnode (Bus Master) provides a solution to customers looking for simplicity and cost-effectiveness within their corporate networks.

The Smart 16/4 PCI Ringnode (Bus Master) supports 4 and 16 Mbps operation over UTP or STP media and, like all Smart 16/4 Ringnodes, the adapter is able to operate in Dedicated Token Ring (DTR) networks. DTR is particularly well-suited to use in servers as it allows bi-directional data transfer between servers and switches, optimizes available data bandwidth, and provides the largest performance increases.

EASY INSTALLATION

The latest in easy-to-use installation utilities provides a structured configuration for the first-time user while allowing experienced users the shortest possible installation path. The Smart 16/4 PCI Ringnode (Bus Master) 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. Madge's

Smart WireSense™ automatically determines the media type in use, simplifying PC relocation. 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.

POWERFUL LAN SUPPORT SOFTWARE

The adapter is supplied with Madge's 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.



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With 512KB on-board memory, any combination of ODI, NDIS, LLC, NetBIOS, IPX, or TCP/IP protocols can be down-loaded 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

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

DISKLESS BOOTING

The Smart 16/4 PCI Ringnode (Bus Master) is equipped with a socket for fitting an optional Smartrom,[™] Madge's reprogrammable 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 diskless workstations.

CUSTOMER SUPPORT WITHOUT LIMITS

The Madge Smart 16/4 PCI Ringnode (Bus Master) 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 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.*



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PRODUCT SPECIFICATIONS

Network Type: 4 or 16 Mbps IBM and IEEE Token Ring
Supply Voltage: +5V DC $\pm 5\%$
Power: 3W maximum
Bus Interface: 32-bit bursting Bus Master PCI v2.1 compatible
Data Transfer: 132 Mbytes/s zero wait state bursting
Memory: 512 KB DRAM on board
Ring Interface: STP socket (9-pin D-type) UTP socked (RJ45)
EMC Certification: FCC Class A EN50082-1 EN55022-Class A (UTP) EN55022-Class B (STP & S-UTP)
IRQ Options: Allocated by system
I/O Options: Allocated by system
Dimensions: 125mm x 75mm
Weight: 0.09kg (approx)

Temperature Range: 0-50°C
Humidity Range: 10%-80% non-condensing
Warranty Period: Lifetime

ORDERING INFORMATION

PART NO:	COMPUTER	QUANTITY	SOFTWARE/MANUALS
51-02	PCI	1	1
51-12	PCI	10	1
51-22	PCI	20	20
51-32	PCI	30	3
51-03	PCI	1	1
			(Micro Channel bracket)
51-13	PCI	10	1
			(Micro Channel bracket)



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