

Product Data Sheet

Smart MK4 PCI

Token Ring Adapter

Part Numbers - 51-05 and 53-05



Key Features

- ❑ Microsoft XP, 2000 and ME Certified
- ❑ Ultimate scalability
- ❑ Flexibility and versatility
- ❑ Investment value and security
- ❑ Standard and Low profile versions



The Smart MK4 PCI is the ideal adapter enabling users to future-proof their PCs against future bandwidth demands. With auto-speed sensing 16/4 or 100Mbps connectivity, 16/4 Mbps systems can be easily upgraded to 100Mbps without the need to re-visit the PC.

Ultimate scalability

The Smart MK4 PCI adapter is the result of over twelve years of continued investment in Token Ring technology. It is an integrated adapter, supporting original Token Ring (both shared and full-duplex) and full duplex 100Mbps Token Ring. The Smart MK4 PCI can be deployed immediately at 100Mbps or can be initially deployed at 16/4 Mbps ready for a future network upgrade

Flexibility and versatility

Smart MK4 PCI features a high performance PCI bus interface and advanced software support. It is compatible with all the latest PCI-based PC systems and supports automatic detection and selection of the following parameters: 100, 16 or 4 Mbps ring speed, STP or UTP cable, typeFull Duplex or shared Token Ring connection

Software support is provided by Madge LAN Support Software (LSS). It provides Operating System driver support, documentation and utility software. The Smart MK4 has Microsoft certified drivers for Windows XP, 2000, and ME, plus support for multiple other operating systems.

Investment value and security

The Smart MK4 PCI supports the industry initiatives such as: -

- Wake-on-LAN
- Advanced Configuration and Power Interface (ACPI)
- Desktop Management Interface (DMI 2)
- Intel's "Wired for Management"
- Microsoft's "Zero Administration" and "OnNow".

Promiscuous mode (for network analysis) is fully supported but can be permanently disabled for added network integrity. Remote boot functionality can be installed giving systems administrators the ability to make PCs more accessible, secure and controllable.

The Smart MK4 PCI is also available (as the 53-05) built to the latest physical PCI specification 2.2 MD2 for use in Low Form Factor PC's and servers.

Smart MK4 PCI Features

Feature	Benefit
Price / Performance	100Mbps High Speed Token Ring is a simple addition for 16/4 Token Ring users, boosting performance up to 600% at the same price level.
Latest Token Ring Technology	Madge fourth generation Token Ring silicon and advanced software ensure extremely high levels of reliability and compatibility
Auto-Ring Speed Detect, DTR support and WireSense™	Simple installation and configuration ensures no disruption to the existing network. Moves and changes can be implemented without having to reconfigure the adapter
Unattended Installation of Windows 95 and NT 4	Eases roll-out of Windows clients. Fast, simple and fault free installation and configuration
Direct Data Streaming and Advanced PCI Bus interface	These technological advancements from Madge allow data to be streamed directly into an application's memory to deliver optimum performance with minimal CPU utilisation
ACPI 1.0 compliant	The Advanced Configuration and Power Interface enables applications and Operating Systems to cost-effectively control the power consumption of a PC.
On-line user guide and diagnostics	Comprehensive and intuitive support utility (Madge Assist) includes complete documentation suite, extensive diagnostics and configuration that can be used with all Madge Token Ring adapters
Flexible promiscuous mode options	Promiscuous mode can be enabled for network analysis and monitoring. Alternatively, promiscuous mode can be permanently disabled for added network security.

Madge Networks PCI Adapter Product Overview

	Smart MK4 PCI Standard Profile 51-05 Low Profile 53-05	RapidFire 3140V2 RapidFire 3140 Low Profile
Part Numbers	51-05/53-05	3140 2010/ 31-04
Future-proof 100Mbps capability	✓	✗
Diagnostic LEDs	✓	✓
Automatic ringspeed detection	✓	✓
Wake-on-LAN / OnNow	✓	✗
ACPI support	✓	✗
PC98 compliance	✓	✓
PC99 compliance	✓	✗
Microsoft Certified Drivers	✓	✗
Multiple OS support	✓	✓
Remote Boot options	✓	✓
Server mirroring and PCI HotPlug	✓	✗
	Operates at 4, 16 or 100 Mbps. Widest Operating System support.	Fully featured, cost effective, 16/4 token ring adapter

Ordering Information

51-05	Single Smart MK4 PCI with 1 Wake-on-LAN connector
51-25	100-pack Smart MK4 PCI with 100 Wake-on-LAN connector and 1 software pack
53-05	Single Smart MK4 Low Profile PCI with 1 Wake-on-LAN connector
53-25	100-pack Smart MK4 Low Profile PCI with 100 Wake-on-LAN connector and 1 software pack
83-11	Single pack RPL/PXE2 BootRom for MK4 (51-05 and 53-05)
83-15	Ten pack of RPL/PXE2 BootRom for MK4 (51-05 and 53-05)
87-14	LSS Software and Docs CD

For more information on Madge Networks Token Ring or Wireless products visit www.madge.com