

Product Data Sheet

Smart CardBus

Token Ring Adapter

Part Number – 20-03



Key Features



- ❑ Advanced 32-bit PC Card
- ❑ Easy to install and use
- ❑ Flexible and versatile
- ❑ Wide Operating System Support
- ❑ Robust and reliable

Overview

CardBus Mk2 is a 32-bit PC Card adapter for 16/4 Token Ring applications that offers PCI-like performance for portable PC users connected to the corporate network.

It has wide driver software including DOS, OS/2, Windows XP, ME, 2000, 95, 98 and NT4, Linux, Novell and Apple OS for Powerbook PCs.

Easy to install & use

Madge introduced the world's first Token Ring CardBus adapter in November 1997. This second generation product builds upon this experience to offer improved functionality including:

- 100% Madge TR chipset
- Ring-speed detection
- Windows NT point enabler
- Apple Powerbook and Linux driver support

These advances make the CardBus Mk2 adapter easier than ever to integrate into existing networks.

Flexibility and versatility

CardBus Mk2 is compatible with the latest laptop PCs and supports automatic detection and selection of the following network parameters:

- 4 or 16 Mbps ring speed
- STP or UTP cable type
- Full-duplex (DTR) or shared Token Ring connection

Updated network drivers, including fully signed and certified drivers for Microsoft Windows operating systems, can be downloaded direct from www.madge.com/software.

To ensure compatibility with the latest specification notebook and laptop PCs, CardBus Mk2 supports a number of industry initiatives, including Desktop Management Interface (DMI 2), and Microsoft's PC97, PC98 and PC99 design guidelines. Furthermore, CardBus Mk2 can be configured to support promiscuous mode, for network diagnosis and analysis applications. For added network security, this option can be disabled, if required.

Robust and reliable

CardBus Mk2 builds on the reliability record of previous Madge PC Card products, including GoCard 3221, Smart PCMCIA, CardBus Mk1. It features the same robust offset connector and cable. Is supported by Madge LSS that provides common driver technology that supports multiple generations of Madge adapters.

The adapter has been thoroughly tested by Madge Ltd and is used by leading partners in the laptop PC industry.

CardBus Mk2 offers excellent investment protection, as it is architected around

Madge ASIC technology. This means that ongoing supply and support of the product is not constrained by the discontinuation of common 3rd party Token Ring processors.

Key Benefits - Madge CardBus Mk2

| Feature | Benefit |
|--|--|
| Token Ring Technology | Madge second generation CardBus Token Ring silicon (Knossos-2 / BlueBird) and advanced software ensure high reliability, compatibility and ongoing product availability |
| 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 |
| Flexible Windows NT support | NT 4 driver operates either with industry-standard Card Services software or via built-in point enabler software. Card Services provides a wide and flexible support for the latest laptop machines whilst the point-enabler provides a simple, low cost option. |
| Unattended Installation for Win95, 98, and 2000 | Eases rollout of Windows clients. Fast, simple and fault free installation and configuration for all Madge adapters using the same installation process |
| Apple Powerbook support | Unique software support enables Apple Powerbooks to connect to the corporate Token Ring network. Runs on the Mac OS software platform. |
| Linux support | Linux is a UNIX-type OS distributed in open-source format. The Linux driver enables Token Ring users to capitalise on the many Linux applications in development. |
| Windows XP, 2000 support | CardBus support is built into Microsoft's latest operating systems, Windows XP, 2000 and ME. Madge UniDrivers are fully 'signed and certified' for use with Microsoft operating systems. |
| ACPI 1.0 compliant | The Advanced Configuration and Power Interface is a fundamental part of future Microsoft and Intel platforms. ACPI enables applications and Operating Systems and management applications 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 manual ringspeed configuration that can be used with Madge Token Ring adapters |
| Flexible promiscuous mode options | Promiscuous mode can be enabled for network analysis and monitoring or it can be permanently disabled for added network security. |

Mobile Adapter Product Information

| | CardBus Mk2 | PCMCIA Mk2 | GoCard PCMCIA |
|--------------------------------|-------------|---------------|---------------|
| Part Number | 20-03 | 20-01 | 3221 |
| Hardware | | | |
| Adapter controller chipset | Madge K-2 | TI TMS380 C30 | TI TMS380 C30 |
| Automatic ring-speed detection | ✓ | x | x |
| Wake-on-LAN / OnNow | ✓ | x | x |
| ACPI support | ✓ | x | x |
| PC98 compliance | ✓ | x | x |
| PC99 compliance | ✓ | x | x |
| Software | | | |
| LSS support | ✓ | ✓ | ✓ |
| Apple Powerbook driver support | ✓ | x | x |
| Linux driver support | ✓ | x | x |
| NT4 point enabler included | ✓ | x | x |

Ordering information

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|--------------|--|
| 20-03 | Madge CardBus Mk2 adapter with UTP cable connector (single pack) |
| 20-23 | Madge CardBus Mk2 adapter with UTP cable connector (100-pack) |
| 87-14 | LAN Support Software CD & Documentation Pack (optional) |
| 70-09 | STP/UTP cable connector set (optional) |

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