

Product Data Sheet

Smart PCMCIA

Token Ring Adapter

Part Number – 20-01



Key Features



- ❑ Simplicity and Convenience
- ❑ Value and performance
- ❑ Robust LAN connection
- ❑ Standards Compliant

Overview

The Madge Smart 16/4 PCMCIA Mk2 is an efficient and fully featured credit card sized Token Ring adapter for use in the PCMCIA/PC Card slots of portable computers.

Unlike many other adapters, the Smart 16/4 PCMCIA Mk2 provides mobile users with an extremely robust and flexible solution for Token Ring connectivity.

The Smart 16/4 PCMCIA provides a solution to customers looking for simplicity and performance for their mobile users.

Advantages

- ❑ Robust connector ensures a network connection no matter how much use the laptop gets.
- ❑ Multiple DOS memory configuration options either through Madge's unique LSS software or Novell's Client-32.
- ❑ Installation methods common with all Madge adapters, means that laptops can be easily deployed in a network.
- ❑ Support for a wide range of standards including Hot-swapping and Winsock.

Robust LAN Connection

The nature of mobile computing dictates that laptop connectors are exposed to a greater level of stress than a desktop environment. To ensure that the network connection is never compromised, the Smart PCMCIA uses the highly reliable

network cable connector while enabling X-Jack modems to co-exist in adjacent slots.

Multiple Memory Options

Madge provides a number of options to combat the memory problems suffered by DOS laptop users. When combined with Smart LSS software, the 512KB on-board memory allows downloading of combinations of ODI, NDIS, LLC, NetBIOS, IPX or TCP/IP protocols, offering significant DOS conventional memory savings over other driver configurations.

Support is also offered for Novell's Client-32 drivers, which give further DOS memory configuration options by allowing network drivers to be loaded into DOS extended memory, thus freeing conventional memory for use by other applications.

When using Card & Socket services supplied by laptop vendors, many users can find problems with the size of these drivers. Madge supplies Smart 16/4 PCMCIA specific Card & Socket services to reduce memory usage and simplify installation.

Simplicity and Convenience

Madge Networks LAN Support Software provides maximum functionality for laptop users to operate in both networked and standalone modes. Hot-swap allows users to connect or remove a PCMCIA adapter without the need to re-boot. Dual docking configurations enable use of a PCMCIA adapter when undocked and a docking station resident adapter when docked. To allow laptop users to be easily integrated into the corporate LAN, the Smart 16/4 PCMCIA Mk2 is installed via the

same familiar utilities used to configure desktop adapters.

Performance

The Smart 16/4 PCMCIA MK2 provides performance comparable to an internal - based Token Ring adapter. This makes it significantly faster than alternative laptop connectivity options, such as an external parallel port adapter or a PC-to-PC serial link.

Operating System Support

The adapter is supported by Madge Networks LAN Support Software, a comprehensive suite of drivers and utilities for all Madge supplied adapters. This

includes a range of host-resident drivers for highest performance, and unique adapter-resident Software for multi-protocol drivers.

Customer Support

As part of Madge Networks commitment to product quality and multi-vendor interoperability, Madge software drivers for this adapter are included as part of Windows and NetWare full releases. Customers can also download up-to-date technical information and the latest Operating System drivers from our World Wide Web
<http://www.madge.com/software>

SPECIFICATIONS

Network Type: 4 or 16 Mbps IBM and IEEE 802.5 Token Ring

Supply Voltage: +5V DC \pm 5%

Power: 1.8W maximum

Bus Interface: PCMCIA

Data Transfer: 32-bit PIO & 16-bit MMIO

Ring Interface: 9-pin D-type (STP) (standard cable included) RJ-45 (UTP)

EMC Compliance: FCC Class A

EN55022 Class A

EN50082-1

Memory: 512KB dynamic RAM on-board

IRQ Options: System allocated

I/O Options: System allocated

Dimensions: 86mm x 54mm x 5mm

Weight: 0.04Kg (approx.)

Temperature Range: 0 - 70 °C

Humidity Range: 10% - 80% non-condensing

Product Comparison information

	Smart 16/4 PCMCIA MK2	GoCard 3221 PCMCIA	Smart CardBus MK2
Part Number	20-01	3221 xxxx	20-03
Hardware			
Automatic ring-speed detection	x	Software select	✓
Wake on LAN/OnNow	x	x	✓
ACPI support	x	x	✓
PC98 compliance	x	x	✓
PC99 compliance	x	x	✓
Software			
LSS7.1 support (Dec 2000)	✓	✓	✓
LSS 8.0 support (January 2002)	✓	✓	✓
Apple Powerbook driver support	x	x	✓
Linux driver support	x	x	✓
NT4 point enabler include	x	x	✓
Direct support from Windows 2000	✓	✓	✓

Ordering information

20-01	Smart 16/4 PCMCIA MK2 (UTP/STP) – Single Pack
20-23	Smart 16/4 PCMCIA MK2 (UTP/STP) –100 pack (Pack of 100 singles plus one copy of 87-14)
70-09	PCMCIA STP and UTP Cable Set
87-14	LSS Software and Docs CD for Madge Networks Adapters

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