

# Product Data Sheet

## LAN Support Software 9.0

Available on [www.madge.com](http://www.madge.com) and as

Part Number – 87-14



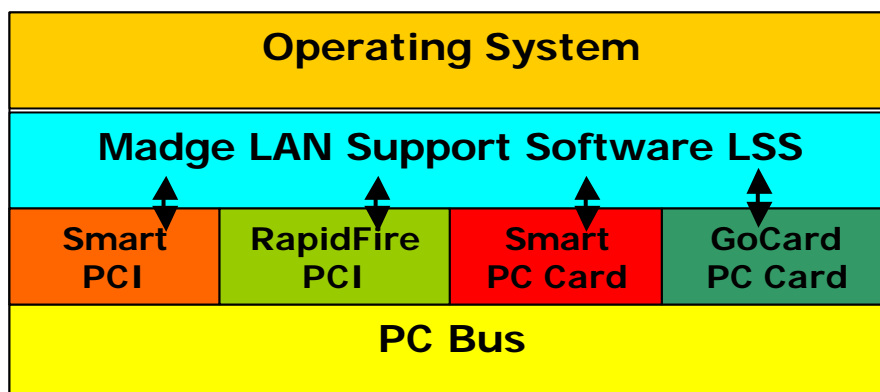
### Key Features

- **Reduces Installation costs**
- **Improves network diagnostics capability**
- **Simplifies network support and Upgrades**
- **Reduces Maintenance costs**
- **Improves Network Management**

This latest release offers single driver support across the Madge range of Token-Ring adapters. It features high performance, reliable network drivers and utilities that lower support costs and improve the management and security of Token-Ring networks.

### Highlights

- ❑ Largest range of Operating Systems supported in a single release.
- ❑ Single, high performance, 'UniDrivers' for PCI and PC Card adapters. This means that for most operating systems, a single driver supports Madge Token-Ring adapters.
- ❑ Microsoft 'signed & certified' drivers for Windows XP, 2000, Windows ME and NT4
- ❑ Enhanced server support: NetWare, PCI Hot Plug, Adapter Mirroring
- ❑ Support for legacy OS/2 & DOS NDIS environments
- ❑ Support for Linux, Solaris, HP-UX and MAC OS
- ❑ Upgraded and Updated installation and configuration utilities



## Overview

LSS 9.0 is a suite of high-performance, future-proofed software that provides easy deployment, advanced features and the best possible support for Madge PCI and PC Card Token-Ring adapters.

Utilities include: -

- ❑ Madge Assist (configuration and diagnostics)
- ❑ TRTEST (diagnostics)
- ❑ QuickREV (driver upgrades and management)
- ❑ DMI2 agent (management)
- ❑ MDGLOG (adapter information)

## Key Features

1. **Reduces administration and support burden for users.**
2. **Provides a migration path for existing customers to current and future Madge products for all major Operating Systems.**
3. **Supports all advanced features of Madge adapters, such as ACPI power management and Wake-On-LAN.**
4. **Adapter mirroring for Windows NT4 and Novell NetWare increasing server resilience and fault tolerance.**
5. **Support for Hot-Plug PCI with Windows NT4/W2K and Novell NetWare.**

## Single, high performance, drivers for PCI and PC Card adapters

LSS 9.0 UniDrivers use a modular architecture that has allowed the drivers to be developed and optimized for the latest PC operating systems. This architecture enables new adapters to be easily added to an existing desktop/workstation image with simplified ongoing support. Madge continues to provide high performance network software to the very latest specifications on the latest operating systems and PC platforms.

## Ultimate Network Reliability

Madge technology has been rigorously tested on the latest desktop, portable and server PC systems.

For further assurance, Madge has developed industry partnerships that allow our products to be tested and approved by leading PC and Operating Systems suppliers.

LSS 9.0 builds upon an installed base of over 5 million Token-Ring adapters.

All UniDrivers support full-duplex (Dedicated) Token-Ring that helps to maximize server availability and performance. For ultimate server availability, drivers support Adapter Mirroring for Windows NT and Novell NetWare servers, and also support the latest Hot Plug PCI standard.

## Easy installation and support

Madge UniDriver technology allows a standard set-up to be deployed across the corporate LAN

for use in desktops, workstations, portables and servers.

Network drivers for DOS, Novell NetWare and Microsoft Windows can be installed quickly from the CD or web site.

## LSS 9.0 Utilities.

These aid installation, troubleshooting and desktop management:

**Graphical utility** - including adapter diagnostics and configuration, an HTML documentation browser, a hardware scripting feature and a diskette creation utility.

**Driver revision manager** - for upgrading to a new version of Windows driver across an entire network.

**Management agent** - for Desktop Management Interface V2.0 to enable desktop management applications such as Intel LANDesk to audit the Token-Ring desktop.

**Adapter status utility** - reporting either error messages or details such as the adapter ring speed and network address.

**Windows application** - that displays useful version information for Madge software.

**Quick diagnostics tool**, - used as a rapid adapter commissioning tool or to test either individual adapters or the connection between two adapters on a token ring network.

**Card Services emulator** - Allows PCMCIA and CardBus adapters to be deployed in DOS environments without the large memory overhead of standard Card Services software.

## Unparalleled power management

The latest generation of Madge PCI Token-Ring adapters support Wake-on-LAN power management and Microsoft OnNow which enable network managers to control workstation power centrally. A PC that supports remote wake-up can remain available to a systems administrator during its normal downtime.

Network managers considering migration to next generation operating systems can incorporate these comprehensive power management features by standardising now on Madge adapters running with LSS9 drivers.

## High security options

The latest Madge adapters support promiscuous mode operation. This enables the driver to be used with network analyzers and server applications to receive and interpret all the packets on a token ring.

The latest Madge adapters have the ability to disable promiscuous mode using either the "Assist" utility or by setting driver properties. This improves security by preventing desktop users from being able to monitor sensitive network traffic from other users.

## DOS memory savings

Madge LSS 9.0 includes support for the Novell Client 32 architecture. This allows network drivers to be loaded into DOS extended memory freeing conventional memory for other applications.

In order to provide connectivity using 3270/5250 emulation, an IEEE 802.2 (LLC) protocol module is provided for the Client32 environment. In addition, a NetBIOS protocol module for Client 32 is also provided to provide network connectivity for NetBIOS applications such as IBM DOS LAN Requester. This utility

implements the NetBIOS API making use of the Client 32 LLC protocol and the 32-bit ODI driver.

## Other Drivers

Recognizing the long-legacy of Token-Ring applications, LSS 9.0 includes updated 16-bit NDIS2 UniDrivers for DOS and OS/2. It also includes support for other operating systems such as Linux, HP-UX, Solaris and MacOS. All the LSS 9.0 drivers and utilities can be downloaded from the Madge website: <http://www.madge.com/downloads-software.asp>

## Remote Boot support

The latest Madge Token-Ring PCI adapters include a BootROM socket used to add security and control to a large network. Further information about Madge BootROM support can be found at:

<http://www.madge.com/products/products-83-11.asp>  
<http://www.madge.com/products/products-87-21.asp>

## LSS documentation

The LSS 9.0 documentation is provided by an HTML manual, this can be viewed from a web browser. It provides instructions for using the adapters, drivers and utilities and has troubleshooting information

## Availability

- Free to download from <http://www.madge.com/downloads-software.asp>
- CD-ROM version available as: -  
Part Number: 87-14

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For further information on Madge  
Token-Ring or Wireless products visit  
<http://www.madge.com>