



# MERLIN MAGIX™ Integrated Network Access

The Source for Fast, Simple, and Affordable  
Internet Access to Meet Your Business Needs

The **MERLIN MAGIX™** Integrated System from Lucent Technologies sets a new standard for business communications, offering a simple yet powerful solution for virtually all your mission-critical communications.

A revolutionary capability of the “application-ready” **MERLIN MAGIX** system is *Integrated Network Access*—the ability to support high-speed Internet access over shared lines while setting the stage for future convergence of voice and data communications.

## A Simple Yet Highly Intelligent Solution

**MERLIN MAGIX** Integrated Network Access enables local and long distance voice calling and high-speed Internet access across your Local Area Network (LAN) through a single T1 connection.

**MERLIN MAGIX** Integrated Network Access can significantly streamline and simplify your equipment installation, billing, maintenance, and administration while reducing your



cost of ownership, lifecycle management, and network services.

For example, with **MERLIN MAGIX** Integrated Network Access, you can provide employees with Internet connectivity without the need for multiple modem connections.

Integrated Network Access digital connectivity is also much faster, more reliable, and more affordable than ordinary dial-up access.

This faster, easier Internet access can help increase employee productivity and enhance relationships with customers and vendors. In addition, it can enable better use of the Internet as a competitive

advantage for your business—for example, meeting customer expectations for accessibility and personalized service, and paving the way for new applications that generate revenues, such as “e-commerce” (electronic commerce).

## Streamlining Your Communications Network

**MERLIN MAGIX** Integrated Network Access combines the functionality of T1/PRI (Primary Rate Interface), a data router, DSU/CSU (Data Service Unit/Channel Service Unit), and a packet filtering firewall, on a single circuit card—and does so with uncompromising quality and reliability. Using the Integrated Network Access capabilities of your **MERLIN MAGIX** system, you can:

- Route Internet Protocol (IP) data traffic using the same T1 interface that is used for voice calls—eliminating the need for multiple lines and service providers, and streamlining installation, billing, and maintenance costs.

- Allocate bandwidth within the T1 circuit to support either voice or data—providing dedicated channels for calls to/from the **MERLIN MAGIX** system and for high-speed Internet access that is “always on.”
- Support outbound IP applications such as Web browsing and e-mail for all your employees.
- Maintain your own Web site or e-mail server.
- Add to your overall security system with the built-in packet filtering firewall protection.

In addition, **MERLIN MAGIX** Integrated Network Access provides cost-effective, high-speed Internet access for your business—further helping your employees communicate how they want to, whenever they need to, with each other as well as with customers and vendors.

## Leading the Way in Cost-Efficiency

All these advanced capabilities are yours through the simple addition of the Integrated Network Access card into your **MERLIN MAGIX** system—so it’s not necessary to invest in multiple pieces of adjunct

equipment to take advantage of the latest Internet and LAN applications. This simplicity coupled with the built-in intelligence of the system allows one technician to install your total access solution—both voice and data—for maximum cost-efficiency and timely implementation. This “all-in-one” approach also makes the system easy and cost-effective to administer, manage, maintain, and service.

The highly functional, unified architecture of **MERLIN MAGIX** Integrated Network Access provides Internet/LAN access for multiple users and also supports applications such as e-mail, Web site hosting, and e-commerce. The bottom line is reduced cost of ownership via an integrated system from a single technology source.

## Ready Now—and Ready for Tomorrow

With the Lucent Technologies **MERLIN MAGIX** Integrated System, you can have all the capabilities you want, how and when you want them—making it highly cost-effective and a simple, smart investment today.

And with the evolutionary design of the **MERLIN MAGIX** system and its Integrated Network Access application, your business will be ready to take advantage of powerful new solutions that will evolve as voice and data communications continue to converge—backed by Lucent reliability and our experience as the leader in voice networking.

To learn more about **MERLIN MAGIX** Integrated Network Access, talk to your Lucent Technologies Representative, Authorized Dealer, or Sales Agent. Or, visit our Web site.

[www.lucent.com/smallbusiness](http://www.lucent.com/smallbusiness)

## Specifications

- T1 Network Interface: 1.544 Mbps
- Integrated DSU/CSU
- LAN Interface:
  - 10 Mbps Ethernet
  - TCP/IP
- Operating System: Lucent Technologies ComOS
- Comprehensive Management System
- Built-in Firewall Packet Filtering
- Communications System Support: **MERLIN MAGIX** Integrated System



**Lucent Technologies**  
Bell Labs Innovations