ISDN TERMINAL ADAPTER

HIGH-SPEED INTERNET ACCESS AND TELECOMMUTING

Experience blazing fast Internet and LAN access. Work from home at the speed you've always dreamed of with DataBurst ISDN 128K, an external parallel port terminal adapter that takes full advantage of ISDN bandwidth. Designed specifically for telecommuting and Internet access, DataBurst ISDN 128K provides connectivity to an ISDN Basic Rate Interface (BRI) for simple, reliable data communications. It works with Internet access software as well as office LAN software and is especially useful for graphic designers, film houses or print service bureaus that need high-speed ISDN functionality for graphic-intensive file transfers.

Maximum ISDN speed. By using a parallel port connection, DataBurst ISDN 128K eliminates the performance loss associated with serial port attached devices. It assures the highest speed ISDN has to offer coupled with support for multiple compression types. The DataBurst ISDN 128K truly opens up ISDN's potential providing throughput up to 512 Kbps. The parallel port saves an internal PC bus card slot, and makes installing DataBurst ISDN 128K quick and simple.
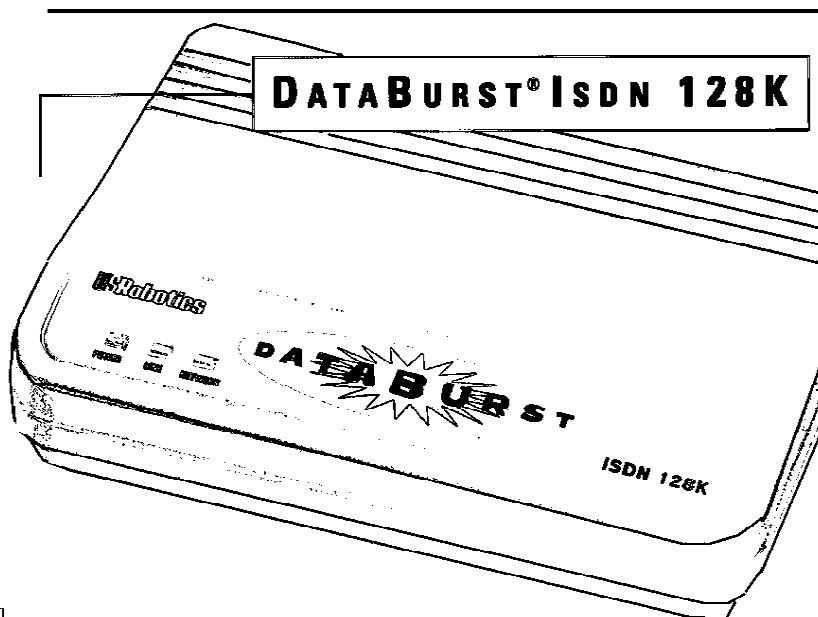
Two versions are available. DataBurst offers a choice of an integrated NT-1 interface, for a complete ISDN connection with no other device required, or an S/T interface, for use with an external NT-1.

APPLICATIONS

Internet and online access. Unleash the DataBurst ISDN 128K on the Internet. With it's parallel port connectivity, the DataBurst provides high-speed access to the Internet and online services. DataBurst ISDN 128K truly maximizes the experience of exploring the World Wide Web.

Telecommuting and corporate LAN access. Employees working from home will always require access to a corporate LAN. Telecommuters can establish high-speed connections to their corporate LAN with immediate access to applications such as e-mail, database access, image and graphic transfers or transfer files at throughput rates of up to 512 Kbps.

SOHO (Small Office/Home office). With parallel ports already available on every PC, the potential home-based uses include access to the Internet and connections to the office after hours. Parallel port connection also provides small branch offices of a corporation and home-based sites faster access to information.

FEATURES

TurboPPP™ developed by U.S. Robotics, is a unique set of high-performance ISDN standards-based features designed to give users maximum ISDN performance on every call.

Multilink PPP combines the two 64-Kbps B-channels of an ISDN BRI line into a single 128 Kbps channel.

Multiple Compression Types (Stac®, Microsoft®, and Ascend®) , supported in software, allow DataBurst 128K to adjust the compression type based on what is supported by the equipment on the other end of the call. Other devices, which execute compression in hardware, are limited to supporting a single type.
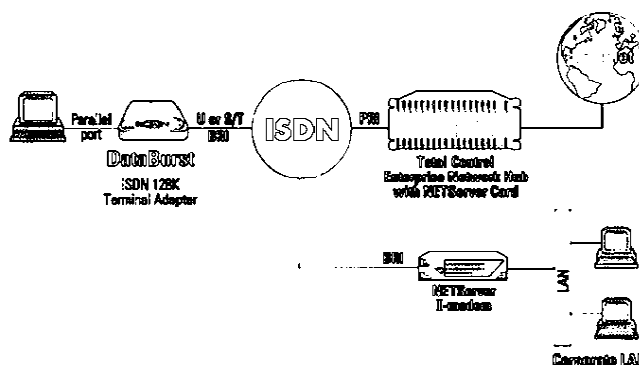
Windows 95 Enhancements open the potential of ISDN to Windows 95-based applications that do not support Multilink PPP or multiple compression types. In these applications, TurboPPP enhancements provide the performance benefits of Multilink PPP and compression (up to 512 Kbps), even when the application supports only PPP (64 Kbps).

Multiple Interfaces (WinISDN for Internet access and Windows 95 interfaces) allow DataBurst ISDN 128K to be used with today's most popular off the shelf Internet remote LAN access and data communications software packages.

Parallel Port Connection to the PC allows users to experience the true performance potential of ISDN. Users can aggregate both B-channels using Multilink PPP, then compress the data to achieve even higher throughputs up to 512 Kbps.

Integrated NT-1 (U interface only) provides a complete solution for direct connection to the ISDN wall jack, without a standalone network termination device. This saves the space and cost of an external NT-1.

Diagnostics and Logging Features including D-channel protocol monitoring allow for quick resolution of telephone service provider problems. ISDN line diagnostics and self-tests will determine if the ISDN line is configured correctly. The D-channel monitor translates network signaling messages for easy interpretation of the interfaces to the public network. A logging function enables troubleshooters to see activity histories and trace potential problems.

Regulatory/Agency Approvals

U-interface
- -FCC (Part 15,Class B)
- -UL Listed
- -CUL Listed
- -IC Certified

S/T Interface
- -FCC (Part 15,Class B)
- -UL Listed
- -CUL Listed
- -IC Certified

Notice

DataBurst ISDN 128K communicates over an ISDN Basic Rate Interface (BRI) line. You must order a BRI line from your local telephone company before you can use your adapter. You may also call I-team, a U.S. Robotics service organization that supports U.S. Robotics ISDN products at 1.888.USR.ISDN.

- Determining ISDN line availability and tariffing information.
- Determining installation costs.
- Determining installation lead times.
- Ensuring that CPE to central office configurations are matched for optimum interoperability.

DataBurst Model Numbers/Part Numbers

SKU#	Description
001280-0	DataBurst ISDN Terminal Adapter with U Interface
001281-0	DataBurst ISDN Terminal Adapter with S/T Interface

Warranty

Five-year limited warranty, factory repair or replacement.

Services

U.S. Robotics' customers are backed by a full-range of customized technical support services including the I-team. The I-team is a customer support group focused on providing pre-sales information, installation services and post-sales support programs for ISDN related products. For more information, call 1-888-USR-ISDN.

United States Contacts

For Corporate Accounts and Corporate Resellers
U.S. Robotics Network Systems Division
8100 North McCormick Blvd.
Skokie, IL 60076-2999
Phone: 800.USR.CORP
Fax: 847.933.5800

For Federal, State or Local Government Agencies or Resellers
U.S. Robotics Government Systems Group
2070 Chain Bridge Road, Suite 100
Vienna, VA 22182
Phone: 800.GOVT.399
Fax: 703.848.7888

Canadian Contact
1100 Burloak Drive, 5th Floor
Burlington, Ontario l7l 6B2
Phone: 905.336.8168
Fax: 905.336.7380

D-Channel Signaling

ISDN data link layer
-ITU-T Q.921

ISDN call control signaling
-ITU-T Q.931/1.451

Central Office Switch Types Supported

AT&T 5ESS Custom, Northern Telecom supported DMS-100, National ISDN-1 and 2

Physical Interfaces to Network

U and S/T model
RJ-45

Physical Interfaces to PC

U and S/T model
DB-25 Parallel Port

PC Parallel Port Interface Modes Supported

4 bit (standard)

Byte

Enhanced Parallel Port (EPP)

Extended Capability Port (ECP) - does not support dynamic printing

Physical Dimensions

6.6 inches length by 5 inches wide by 1.5 inches high

System Requirements

ISDN BRI phone line (available through local phone company)

PC 386 CPU-based or higher

Windows® 3.1, or Windows® 95 operating system

DB-25 connector on PC

4 MB RAM (8 MB for Windows® 95

I-team
888.USR.ISDN

Fax On Demand
800.762.6163
847.676.8536

BBS   847.982.5092
ISDN BBS 847.734.8612

Web Site Address
www.usr.com/business

Manufactured in the U.S.A.

The Intelligent Choice in Information Access