

# Features/Specifications

## Features

### DataFire ISDN BRI Accelerator Card

- Supports two B channels and one D channel
- Compatible with 64 Kbps, 56 Kbps and ISDN voice circuit-switched calls
- Supports Q.931 and Q.921 (LAPD), HDLC and proprietary protocols on voice and circuit-switched data channels
- Compatible with all CCITT/ANSI BRI ISDN central office switches, including AT&T 5E, Northern Telecom DMS 100, Siemens, British Telecom, and others
- Connects between ISDN switches using digital dial-up voice lines and digital trunking
- Data compression for greater throughput
- Point-to-Point Protocol (PPP) support for interoperability
- Transparent connection management – no dialing commands necessary
- English language configuration and control
- Programmable operation
- Automatic fallback from circuit-switched 64 Kbps calls to receive 56 Kbps calls or send at 56 Kbps over ISDN voice calls

## Network Interface

- Supports client LAN software for Novell, Microsoft RAS, and Internet PPP server types
- Frame Rate: 250 packets per second over two B channels
- 8 byte I/O port, 7 available addresses
- One software vector, 60H-80H
- Interrupt vector (IRQ) 3, 5, 7, 10, 11, 12, 15 — can be run without IRQ
- No memory required
- 8 or 16 bit ISA slot
- PCI

## Regulatory Approvals

### Emissions U.S.

- FCC part 15, Class B
- FCC Part 68

### Canada

- ICES-003, Class B
- CS 03

### Safety U.S.

- UL 1950

### Canada

- CSA22.2 No. 950

## Environmental Requirements

- Ambient Temperature 50° to 131° F (10° to 55° C)
- Relative Humidity 5% to 90%
- Altitude 0 to 12,000 ft (0 to 4000 m)
- Air Movement 30 CFM forced

## Operating System Compatibility

- Windows NT 3.5-4.0
- Windows for WorkGroups 3.11
- Windows 95
- Novell MPR 3.1
- NetWare Connect 2.0
- SunSoft Solaris 2.5

For an updated list of software via Digi and other Third Party vendors, please contact your Digi sales representative or visit Digi's web site ([www.dgii.com](http://www.dgii.com)).

## Power Requirements

+5 VDC 0.5 amp, maximum

## Digi Service and Support

You can purchase with confidence knowing that Digi is here to support you with expert technical support, the industry's strongest warranty (five full years) and a 30-day money-back guarantee.

## Dimensions

| Host Adapters | Length            | Width             | Height           | Weight          |
|---------------|-------------------|-------------------|------------------|-----------------|
| PCI           | 6.87 in (17.46cm) | 4.2 in (10.67cm)  | .86 in (2.18 cm) | 5.8 oz (.16kg)  |
| ISA           | 7.3 in (18.54 cm) | 4.2 in (10.67 cm) | .86 in (2.18 cm) | 5.8 oz (.16 kg) |

## Models and Part Numbers

|                       |          |
|-----------------------|----------|
| <b>ISA</b>            |          |
| DataFire-U.....       | 77000438 |
| DataFire-U-S1.....    | 77000372 |
| <b>PCI</b>            |          |
| DataFire-PCI S/T..... | 77000482 |
| DataFire-PCI 1U.....  | 77000516 |

Digi International  
11001 Bren Road East  
Minnetonka, MN 55343  
(612) 912-3444 or  
(800) 344-4273  
FAX (612) 912-4952  
E-Mail: [info@dgii.com](mailto:info@dgii.com)  
World Wide Web:  
<http://www.dgii.com>

European Office  
Digi International GmbH  
Domkloster 1, 50667  
Köln, Germany  
+49 (0) 221 920 52 0  
FAX: +49 (0) 221 920 52 10  
E-Mail: same as above

Digi International-Asia Pte Ltd  
13-06 Tower 'A',  
391A Orchard Rd.,  
Ngee Ann City, Singapore, 238837  
+65 732 1318  
FAX: +65 732 1312  
E-Mail: same as above

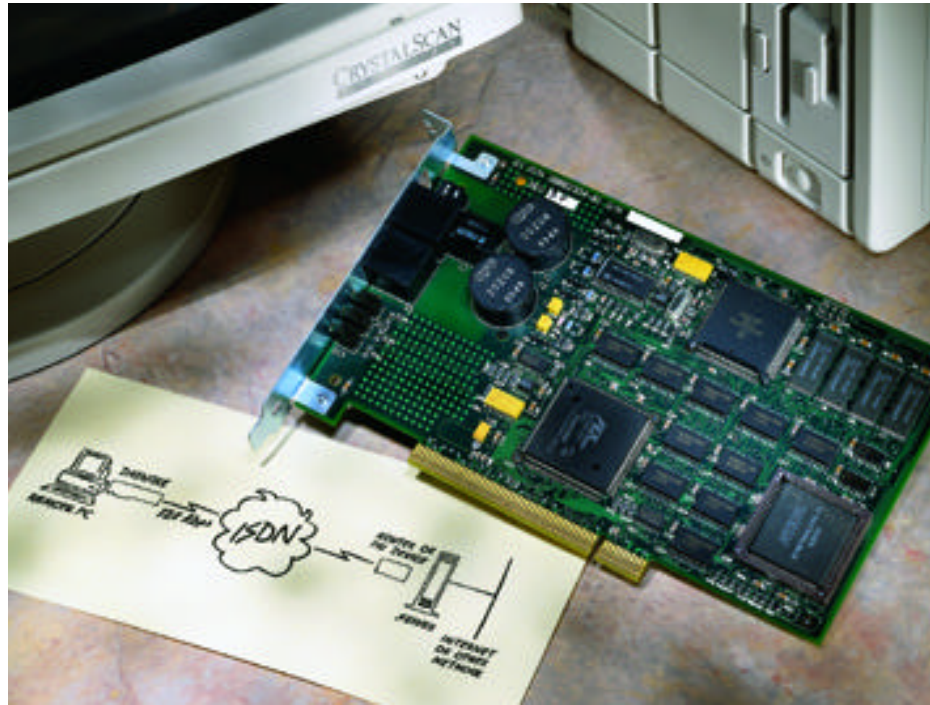
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GSA: GS-35F-3395D



# Digi DataFire

P R O D U C T  
P R O F I L E

## ISDN BRI Accelerator Card



- Intelligent ISDN Accelerator Card
- High-Speed. low CPU overhead
- Ideal for Windows environments

The Digi DataFire is simply one of the fastest ISDN accelerator cards on the market today. It integrates an ISDN terminal adapter/network interface card with a line terminator (NT1) U interface version to provide high-speed access to networks or the Internet with breakthrough simplicity and affordability.

Engineered for speed and ease of use, the DataFire is surprisingly easy to install and maintain. There's no need for a line terminator or power supply, so installation is as simple as placing the card in an open expansion slot of any ISA or PCI-bus PC and connecting it directly to an ISDN Basic Rate Interface (BRI) phone line. This revolutionary design reduces overall equipment cost as well.

DataFire supports one 128 Kbps or two 64 Kbps connections over a single ISDN BRI line. Plus, it features PPP (Point-to-Point Protocol) support. This ensures interoperability with other types of ISDN devices and facilitates connections with the Internet and other outside resources. DataFire integrates easily with Microsoft Windows NT, Windows 95, Windows for Workgroups or Novell NetWare operating systems. In addition, Link Optimizing Software in the operating system can reduce line charges by up to 60 percent.

For applications requiring personal high-speed remote LAN connections, you won't find a simpler, faster or more affordable solution than the Digi DataFire. Review all the features and specifications, then put DataFire to work for you and your company for successful ISDN connectivity!



# Digital Connectivity Solutions For The Price of Analog

## The Cost-Effectiveness of ISDN

If you're looking for a way to increase data communications speed while minimizing line costs, the solution is Digi and ISDN (Integrated Services Digital Network).

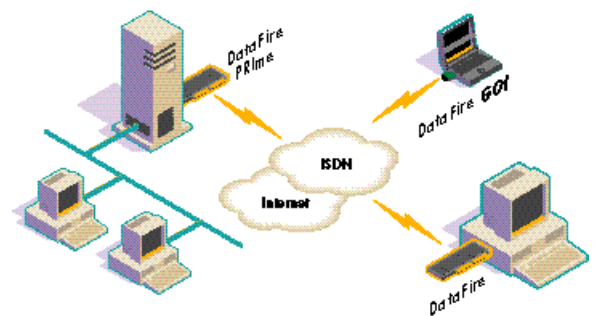
ISDN technology combines the fast communications speed only found in expensive leased lines with the cost savings of a switched dial up service. This allows you to connect with many different sites on an as-needed basis and only pay for the line time you actually use.

## The Single-User Remote Access Solution

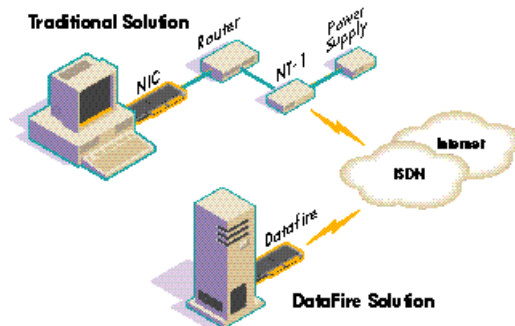
The DataFire is one of the most cost-effective ways to equip individual PCs with high-speed ISDN communications capabilities or convert a server into a high performance, inexpensive ISDN Router. And, with installation that's as easy as sliding the card into an open expansion slot and connecting it to a phone line, DataFire is one of the most convenient solutions as well.

- Combines the fast communications speed only found in expensive leased lines with the cost savings of a switched dial up service
- Easy as sliding the card into an open expansion slot and connecting it to a phone line
- DataFire delivers by allowing remote users to work as if they were locally attached to their central LAN

This insightful blend of simplicity and affordability makes DataFire the ideal remote LAN or Internet access solution for telecommuters, branch offices or other locations with the need for advanced ISDN communications technology.



*DataFire combines an ISDN terminal/network interface with a line terminator to provide high-speed connections to remote LANs. It also provides quick access to the Internet and other on-line services.*



*DataFire's single-card design reduces equipment costs by replacing the Ethernet card, router, NT1 and power supply that are required with conventional solutions. This breakthrough makes DataFire a smart, cost-effective alternative for any business.*

## Fast, Simple Connections

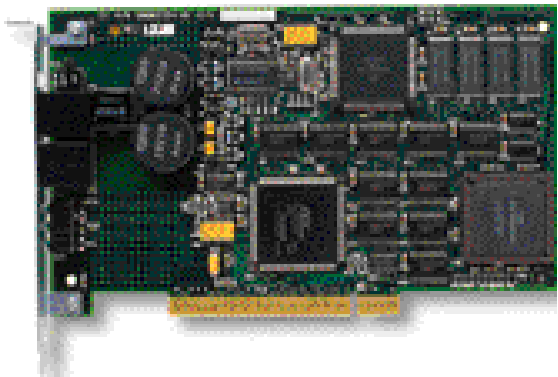
Immediate, transparent connections are the mark of a quality remote access solution. Working remotely and accessing information across a WAN connection should not be different than connecting directly to a local network via a network interface card. That's why Digi DataFire delivers by allowing remote users to work as if they were locally attached to their central LAN. There are no new commands to learn, no special software to run and no hassles. In short, users literally can't tell the difference between local and remote connections.

## 128 Kbps Throughput

A study at West Virginia University concluded that a minimum speed of 80 Kbps makes users feel as though they are locally attached to a network. DataFire can provide transmission speeds of 128 Kbps and higher to provide the speed and convenience network users demand.

## Instant Connections

DataFire and ISDN provide the fastest, most transparent connections possible. In fact, ISDN calls can connect in just a quarter of a second, compared to 30-90 seconds for a modem. This means that in the time it takes to establish a modem connection you can connect, download a word processing file and move on to the next task.



## Low Host CPU Overhead

The DataFire ISDN Accelerator Cards are based on an active architecture with a processor that avoids the overhead of the Hosts and guarantees high throughput without slowing down the PC or a GUI based environment like Windows or Windows NT.

## Easy Administration

Small remote offices and telecommuters generally have minimal networking expertise which can leave them stranded if network problems occur. With DataFire, network administration can be handled over the ISDN link from any PC on the network, anytime of the day or night. This allows the central LAN administrator to monitor, setup and remove connections remotely, eliminating the need for dedicated LAN personnel at each site. And an ISDN server based on Digi's DataFire ISDN accelerator cards offer a lot of advantages versus external ISDN routers.

## Advanced Digi Features

### B Channel Support

Digi's DataFire supports two ISDN B channels that can be used separately to support simultaneous 64 Kbps connections or aggregated to provide a single 128 Kbps connection.

### Point-to-Point Protocol (PPP)

Connecting DataFire with other brands of ISDN bridges, routers or terminal adapters is easy through PPP. This feature also facilitates connections with the Internet and on-line services.

### Processor Power

On Board Motorola 68302 processor for high speed ISDN connectivity.

- Provide transmission speeds of 128 Kbps
- Network administration can be handled over the ISDN link from any PC on the network, anytime of the day or night
- Point-to-Point Protocol support for interoperability