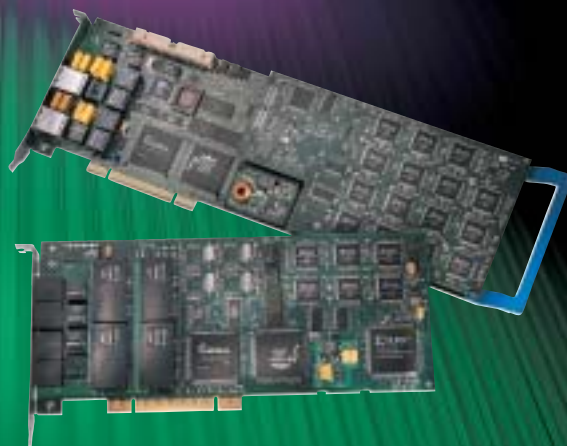


DataFire RAS



- > Up to 60 ports with full V.90, fax, and ISDN support
- > Scalable system architecture
- > Highly flexible design based on Digital Signal Processors (DSPs)
- > Support for a wide range of operating systems and third-party applications
- > Five-year warranty

DataFire® RAS Multi-Modem Adapters

The DataFire RAS Family of ISDN/analog adapters provides support for up to 60 ports in a single PCI slot, and is the ideal choice for a broad range of demanding applications including remote access, fax, data collection and modem pooling.

Open Systems Integration

The open standards-based design of the DataFire RAS Family facilitates the fast and simple deployment of your software solutions.

Flexible and Scalable Design

The software-upgradeable modem technology of the DataFire RAS boards utilize high-performance digital signal processors (DSPs), and provide advanced V.90 modem, fax and ISDN support. Each data channel operates totally independent and configures itself dynamically for the service type

needed, whether the incoming/outgoing call is based on an analog or a digital connection.

The flexible design of the DataFire RAS Family allows it to grow with your application requirements. An unlimited number of various DataFire RAS boards can reside in the same system to provide the exact port density and functionality that is needed. In addition, a daughter board is available as a field-upgrade option, expanding the DataFire RAS 24 to 48 ports and the DataFire RAS 30 to 60 ports.

Management and Diagnostics

Easy installation, configuration and operation are key factors for successful deployment. Digi supports your needs with a variety of diagnostic and troubleshooting tools, including the Web-based hardware management and reporting tool - PortAssist® Manager.



Scalable
Remote Access
and Fax
Concentrators

REGULATORY APPROVALS

- DataFire RAS 24 PT1, 48 PT2, 30 PE1, 60 PE2**
- > FCC Part 15, Subpart B, Class B
 - > CSA C108.8-M83, Class B
 - > Immunity: EN 50082-2
 - > UL Recognized, UL 1950
 - > FCC Part 68

- DataFire RAS 4 (B4 ST and B4 U)**
- > FCC Part 15, Subpart B, Class B
 - > Immunity: EN 50082-2
 - > UL Recognized, UL 1950
 - > FCC Part 68

MODEM STANDARDS COMPATIBILITY

Data Modes

- > K56flex, V.90, V.34, V.34 bis, V.32 bis, V.32, V.24 bis, V.23, V.22 bis, V.22, V.21, Bell 212a, Bell 103, TIA TSB37-A, TIA TSB38

Fax Modes

- > Group 3
- > V.17, V.29, V.27 ter, V.21 channel 2

Compression and Error Correction

- > V.42 bis, MNP Class 2, MNP Class 4, MNP Class 5, V.42 EC

Misc.

- > ITU G.711 μ -Law/A-Law Companding and Expanding, DTMF generation and detection, Caller ID and Call Progress

FAX COMMAND SET STANDARDS

- > Group 3 FAX Class 2, Group 3 FAX Class 2.0
- > FAX Compression Formats:
All optional Class 2.0 data format conversions are supported including:
Normal Image, Fine Image, 1D Image Conversion, 2D - MR Image Conversion, 2D - MMR Image Conversion
- > Copy Quality Checking and Receive Quality Thresholds, Error Correction Mode (ECM), Adaptive Answering, TSI Banner, Distinctive Ring Ring, DID Routing

T1/E1 AND ISDN SPECIFICATIONS

- > **T1 Supervision Modes**
Ground Start Signaling, Wink Start Signaling, Immediate Start Signaling, Loop Start Signaling
- > **E1 Supervision Modes.**
CCS with CRC4 ITU G.704, CAS with CRC4 ITU G.704, CRCA with Remote End Block Error Signaling, R2 Signaling

Primary Rate Interface

- D-Channel Signaling:
ISDN data link layer ITU-T Q.921, ISDN call control signaling ITU-T Q.932/I.451

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MODEL/PART NUMBERS

PCI Bus:

- > **DataFire RAS (ISDN BRI Interface, U or S/T)**
DataFire RAS 4 B4 ST 77000605
DataFire RAS 4 B4 U 77000606
- > **DataFire RAS (ISDN PRI or T1 Interface)**
DataFire RAS 24 PT1 77000593
DataFire RAS 48 PT2 77000597
DataFire RAS Daughter 24 PTM 77000594
- > **DataFire RAS (ISDN PRI or E1 Interface)**
DataFire RAS 30 PE1 77000599
DataFire RAS 60 PE2 77000603
DataFire RAS Daughter 30 PEM 77000600

DIMENSIONS

DataFire RAS 24 PT1, 48 PT2, 30 PE1, 60 PE2 (PCI)

- > Length: 12.283 inches (31.199 cm)
- > Width: 4.200 inches (10.668 cm)

DataFire RAS Daughter Card(s) 24 PTM, 30 PEM

- > Length: 7.10 inches (18.034 cm)
- > Width: 3.80 inches (9.652 cm)

DataFire RAS 4 (B4ST and B4U) (PCI)

- > Length: 9.21 inches with metal retainer (23.39 cm)
- > Width: 4.20 inches (10.668 cm)

POWER REQUIREMENTS

DataFire RAS 24/48/30/60 (PT1/PE1/PT2/PE2)

- > 2.56 A @ 5.0 V typical (PT1)
- > 2.77 A @ 5.0 V typical (PE1)
- > 3.51 A @ 5.0 V typical (PT2)
- > 3.94 A @ 5.0 V typical (PE2)

DataFire RAS 4 (B4 U and B4 ST)

- > 1.13 A @ 5.0 V typical (B4 ST)
- > 1.21 A @ 5.0 V typical (B4 U)

OPERATING SYSTEMS

- > Microsoft Windows XP
- > Microsoft Windows 2000
- > Microsoft Windows NT 4.0
- > Sun Solaris 2.6, 7 & 8
- > Novell NetWare 4.2
- > Novell NetWare 5.x
- > SCO UnixWare 7 & 2.x
- > SCO OpenServer 5

Most drivers ship with product on CD-ROM. Drivers and driver updates also available on our Web-site at www.digi.com/drivers.

ENVIRONMENTAL

- > Ambient temperature: 0° C to 50° C (32° F to 122° F)
- > Relative humidity: 5% to 90%, non-condensing
- > Air movement: 30 CFM Forced
- > Altitude: 0 to 3,660 M (0 to 12,000 Feet)

DIGI SERVICE AND SUPPORT

You can purchase with confidence knowing that Digi is here to support you with expert technical support, a strong five-year warranty and a 30-day money-back guarantee.

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