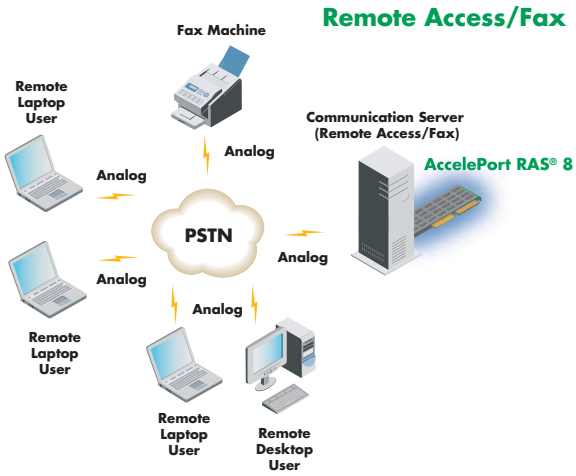
Product Datasheet

AccelePort RAS®

Multi-Modem Adapter

The AccelePort RAS family of high-performance universal PCI multi-modem adapters is ideal for demanding applications such as fax, data acquisition, remote access and modem pooling.



Features/Benefits

- **Up to eight ports with full V.90 modem and fax support**
- **Highly flexible design based on Digital Signal Processors (DSPs)**
- **Universal PCI adapter supporting 3.3V and 5V PCI systems**
- **Scalable system architecture**
- **Wide operating system and third-party application support**
- **5-year warranty**

PCI 3.3V-5V Universal Card

Overview

Digi's AccelePort RAS family of multi-modem analog adapters provides the widest compatibility and most powerful performance available. For demanding applications such as fax servers, remote access, data aquisition and modem pooling, you won't find a better product line than the AccelePort RAS Family.

High Speed Multi-Modem Adapters Support Four or Eight Channels

AccelePort RAS multi-modem adapters integrate high density analog modems supporting four or eight channels in a single PCI slot. Multiple AccelePort RAS cards can be installed in a single server so capability can be added as system needs grow.

Advanced DSPs Support V.90 Modem and Advanced Fax Communications

The dense modem technology built into the AccelePort RAS hardware is based on industry-standard Digital Signal Processors (DSPs). On-board DSPs provide advanced modem and fax support and maximize the efficiency of each communications channel. Each AccelePort® channel operates independently and supports the widest range of analog clients for complete and accurate call completion at the highest data rate possible.

OS Integration and Use of Standard APIs

The AccelePort RAS family integrates with and takes advantage of the inherent communication capabilities already built into your operating system environment. Use of standard APIs means installation and management of your ports is completely familiar and intuitive to network administrators. In addition, the AccelePort RAS family facilitates simple deployment of software application solutions based on existing interfaces provided in the operating system.

Features/Specifications

GENERAL SPECIFICATIONS

Port Density
- 4 or 8 analog modems per slot

Modem Type
- Digital Signal Processor (DSP)
- Software upgradeable

Bus Type
- 32-bit PCI
- Bus Master Design
- Universal 3.3V and 5.0V PCI support
- PCI/PCI-X compatible

Connector
- 4 or 8 RJ-11 modular connectors

OPERATING SYSTEMS

- Windows® 2003
- Windows XP
- Windows 2000
- Windows NT® 4.0*
- Linux
- IBM AIX 4.2.1, 4.3.x, 5
- Novell* NetWare 4.x and 5.x
- SCO UnixWare 7
- SCO OpenServer 5.x
- Sun Solaris 2.7, 8, 9
- HP-UX 10.20, 11.00, 11i

* Legacy driver support only

FAX FEATURE SET

- FAX class 2/2.0
- Class 2.0 Error Correction Mode
- Supports all optional class 2.0 data format conversions including:
  - Normal Image
  - Fine Image
  - MH (1D) Image Conversion
  - MR (2D) Image Conversion
  - MMR Image Conversion
- Copy Quality Checking and Receive Quality Thresholds
- Adaptive Answering
- Automatic Page Header Generation (TSI Banner)
- Distinctive Ring

POWER REQUIREMENTS

AccelePort RAS 4/8
- 1.3A @ 5V and 180 mA @ 12V

DIMENSIONS

AccelePort RAS 4/8
- Length: 12.2 inches (31.2 cm)
- Width: 4.2 inches (10.7 cm)

MODEM STANDARDS COMPATIBILITY

Data Modes
- V.90
- K56flex
- V.34, V.32 bis, V.32, V.24 bis, V.23, V.22bis, V.22, V.21
- Bell 212a, Bell 103,

Compression
- V.42 bis
- MNP Class 2, 4, and 5

Error Correction
- V.42

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

REGULATORY APPROVALS

- FCC Part 15, Subpart B, Class B
- EN 50082-1
- UL Recognized, UL 1950
- FCC Part 68

TELEPHONY

- DTMF generation and detection
- Call Progress detection

BUS CAPACITY

Unlimited AccelePort RAS DSP-based adapters can work together in the same server. Practical limitations are dependent on the capability of the server platform.

ENVIRONMENTAL

- Operating temperature: 32° F to 122° F (0° C to 50° C)
- Relative Humidity: 5% to 90%, non-condensing
- Air movement: 30 CFM Forced
- Altitude: 0 to 12,000 feet (3657.6 m)

MODEL.....PART NUMBERS

Model	Worldwide
AccelePort RAS 4 North America	77000616
AccelePort RAS 4 Europe	77000617
AccelePort RAS 4 Germany, South Africa	77000618
AccelePort RAS 4 Australia, New Zealand, Switzerland	77000619
AccelePort RAS 4 Latin America (Mexico, Argentina, Chile)	77000775
AccelePort RAS 4 Asia (Japan, Singapore, Hong Kong, Korea, Taiwan)	77000776
AccelePort RAS 4 Israel, Hungary	77000777
AccelePort RAS 8 North America	77000583
AccelePort RAS 8 Europe	77000584
AccelePort RAS 8 Germany, South Africa	77000585
AccelePort RAS 8 Australia, New Zealand, Switzerland	77000586
AccelePort RAS 8 Latin America (Mexico, Argentina, Chile)	77000772
AccelePort RAS 8 Asia (Japan, Singapore, Hong Kong, Korea, Taiwan)	77000773
AccelePort RAS 8 Israel, Hungary	77000774

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