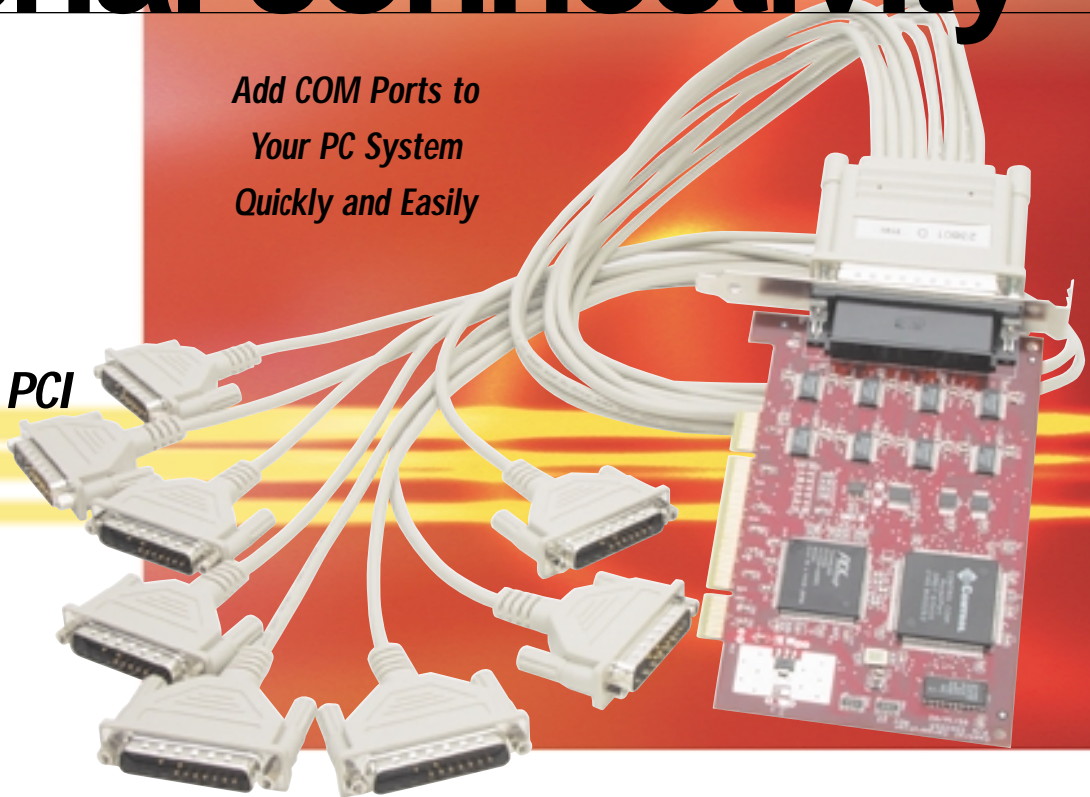




high performance serial connectivity

Add COM Ports to
Your PC System
Quickly and Easily

Works with 3.3 Volt PCI



Looking for the best way to connect more serial devices to servers utilizing 3.3 volt architecture? The Control family of RocketPort Universal PCI multiport cards makes serial device connectivity reliable, cost effective and easy. Designed to fit either low-profile or standard PC architectures, each RocketPort Universal PCI card adds four to eight "native" COM ports to your PC. RocketPort performance capabilities make it ideal for peripheral control applications such as data acquisition, point-of-sale, and factory floor automation.

Unique, Powerful ASIC-Based Architecture Means Fast, Reliable, and Efficient Data Throughput

◆ **Fast.** The RocketPort Universal PCI card is powered by Control's exclusive RocketPort chip, integrating a dedicated 36Mhz processor that enables the card to transmit and receive data four times faster than standard UART technology—up to 460 Kbps full duplex across all ports simultaneously.

◆ **Reliable.** Along with improved throughput speed and reduced load on the host system CPU, the RocketPort chip also adds an important benefit:

increased reliability, with one of the longest mean times between failures of any multiport serial card currently on the market.

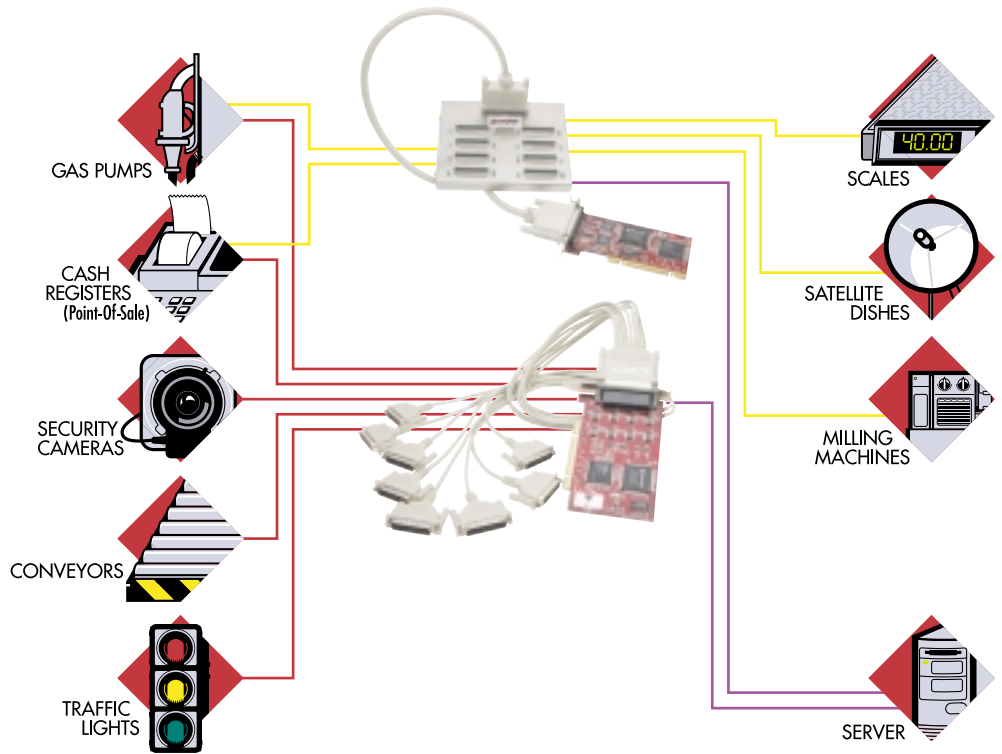
◆ **Efficient.** RocketPort uses transmit FIFOs 16 times larger, and receive FIFOs 64 times larger, than multiport cards designed with 16550 UARTs (Universal Asynchronous Receiver Transmitters). This helps eliminate bottlenecks at the serial controller level while conserving CPU resources.



www.control.com

ROCKETPORT[®] UNIVERSAL PCI

MULTI PORT SERIAL CARDS



◆ Supports 3.3 and 5.0 volt PCI bus architectures, ensuring compatibility regardless of the host environment

◆ Supports most popular operating systems, including Linux and Microsoft[®] Windows[®], ME, NT, 2000, and XP

◆ Supports RS-232 and RS-422 serial interfaces

◆ Both fan-out cables and serial interface boxes available, supporting DB9, DB25, and RJ45

◆ Up to 8 COM ports can be added using a single slot

◆ Highly optimized on-board processor delivers sustained throughput across all ports

◆ Large FIFOs, 64 times larger than a 16550 UART, maximize speed and minimize data loss while optimizing host efficiency and data integrity

◆ RocketPort technology delivers exceptional reliability and one of the industry's longest Mean Times Between Failure (MTBF)

◆ Leading price/performance for any multiport card

◆ Control's superior technical support is readily available to ensure smooth, hassle-free operation

Specifications

HARDWARE SPECIFICATIONS

◆ Number of Cards/System:	up to 4
◆ Number of Ports/Card:	4/8
◆ Interrupts/PCI:	One or none
◆ Baud Rate:	Up to 460 Kbps, depending on model
◆ Device Driver Control:	
Data Bits:	7 or 8
Parity:	Odd, Even, None
Stop Bits:	1 or 2

INTERFACES

◆ Bus Interface:	3.3 or 5.0 Volt PCI
◆ Communications Interface:	
Quad/Octa	RS-232
8-Port Low Profile	RS-232, RS-422

CONDITIONS

◆ Heat Output:	3.8 to 14.99 BTU/hr*
◆ Operating Temperature:	0 to 40 C
◆ Storage Temperature:	-20 to 85 C
◆ Altitude:	0 to 10,000 ft
◆ Mean Time Between Failure:	25.6 to 32.1 yrs*
◆ Humidity (Non-Condensing):	
System On	8% to 80%
System Off	20% to 80%

PHYSICAL SPECIFICATIONS

◆ Dimensions:	
Quad/Octa	5.5"(L) x 3.75"(H)
8-Port Low Profile	4.7"(L) x 2.5"(H)
◆ Weight (card only):	4 oz to 5 oz*

CURRENT

+5 VDC	224 mA to 294 mA*
+12 VDC	110 mA*
-12 VDC	160 mA*

Agency Approvals

- ◆ Canadian EMC Requirements
- ◆ FCC Part 15 Class B Certification
- ◆ Product Safety UL Recognized
- ◆ European EMC Requirements
- ◆ ESD and Surge Protection to EN 55024 1998 Standard
- ◆ CE Approved

Note: The surge interface model offers additional protection, up to 25KV ESD.

*Varies depending upon model. Visit Comtrol's Web site at www.comtrol.com for more detailed individual model specifications.

Supported Operating Systems

- ◆ Linux
- ◆ Windows® ME, NT, 2000, and XP

Product Support & Service Information

Technical Support. All Comtrol products come with easy-to-use documentation. For technical assistance, our top-notch technical support team is only a phone call away. Call (763) 494-4100, or e-mail support@comtrol.com.

Warranty. Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty on all RocketPort® products!

E-mail, FTP, and World Wide Web Support. For more information on Comtrol products or programs, or to download device drivers, diagnostics, or sample code, visit our Web site at www.comtrol.com or our FTP site at ftp.comtrol.com, or e-mail us at info@comtrol.com.

"Comtrol Rocket Reseller" Program. For U.S.-based resellers of Comtrol products. Membership includes co-op and cash rebates, significant demo product discounts, assigned sales team, qualified leads, technical support, and more.

For more information, please call Comtrol sales, or visit our Web site at www.comtrol.com/web-forms/reseller/varprogram.asp.

Ordering Information

Unit	Part #	Interface	Part #
PCI-Quad/DB25	99097-0	RS-232/422, 4P, DB25 female	95160-5
PCI-Quad/DB9	99095-6	RS-232, 8P, DB25 female	94050-0
PCI-Octa/DB25	99098-7	RS-232/422, 8P, DB25 female	95050-9
PCI-Octa/DB9	99096-3	RS-232/422, 8P, DB25 male, surge	97050-7
PCI-Octa/RJ45	99099-4		

PCI-8-Port Low Profile 99110-6*

* = separate interface required

Product information is subject to change.

Please visit www.comtrol.com for current information.

Connect with Comtrol

Comtrol is the leading global provider of Enterprise Systems Integration (ESI) and thin-server solutions for office, medical, retail, and industrial automation applications. Comtrol products interconnect, transport, and transform information between devices and systems for process control and management, enable data communications for remote LAN and Internet access, and offer a powerful delivery platform for application-specific embedded systems.

Since 1982, Comtrol has pioneered enterprise systems integration initially through its data communications technologies and later with its programmable thin servers. The company prides itself on quality products and unequaled customer service.

In data communications, Comtrol developed the industry's first serial multiport card for personal computers and today ranks near the top of this industry. In 1993, the company launched its flagship RocketPort serial concentrator, which utilizes a Comtrol-developed RISC processor to minimize CPU overhead and maximize ease-of-use and application software compatibility. RocketPort established a new price/performance benchmark in the industry—one that has rarely been challenged.

Comtrol's data communications products are widely used to connect and control peripheral serial devices—within embedded systems, to local servers, and across the enterprise. Applications of the technology include connecting retail point-of-sale devices, ATM machines and other informational and transaction kiosks, process control and manufacturing automation devices on the factory floor, security systems, transportation/traffic monitoring and control systems, and a wide variety of other industrial automation applications.

In 1997, Comtrol developed the industry's first multiple-modem card for personal computers that utilized on-board processing. The RocketModem II is now the industry's leading analog multi-modem card, which is widely used by small and medium enterprises to build communications servers for remote LAN and Internet access.

In 2001, Comtrol again delivered industry-leading technology by introducing the DeviceMaster family of programmable, network-attached device and application servers. These innovative products enable "anytime, anywhere" device access through the Internet, which reduces support costs, enables more efficient management, and ultimately protects profits.

In addition to providing industry-leading technology-based products, Comtrol is the leading provider of enterprise integration systems to the hospitality industry. The company achieved this position through its historical focus on providing serial data communications products to hotels and motels, which was strengthened through its 1999 acquisition of Protocol Technologies, Inc. Today, Comtrol offers an unequaled suite of communication and integration technologies for this industry sector.

Comtrol is committed to building relationships with worldwide technical and strategic partners. Our products are designed to work with the widest range of hardware and software environments to provide seamless enterprise integration. When you need to connect devices or systems in the enterprise—Connect with Comtrol.

Corporate Office

6655 Wedgwood Rd.
Maple Grove, MN 55311
Toll Free: 800 926-6876
Phone: 763 494-4100
Fax: 763 494-4199
<http://www.comtrol.com>
E-mail: info@comtrol.com

Comtrol Europe Ltd

Unit 2, Avonbury Business Park
Howes Lane, Oxon, Bicester
Great Britain, England OX26 2UA
Phone: 011 44 1869 323220
Fax: 011 44 1869 323211
<http://www.comtrol.co.uk>
E-mail: info@comtrol.co.uk