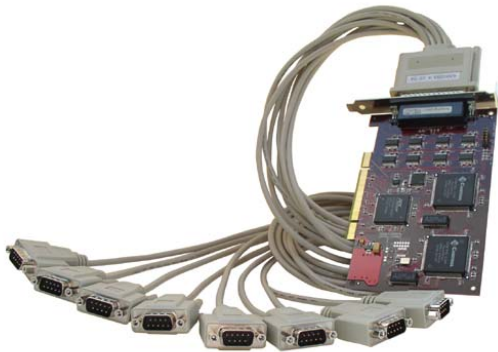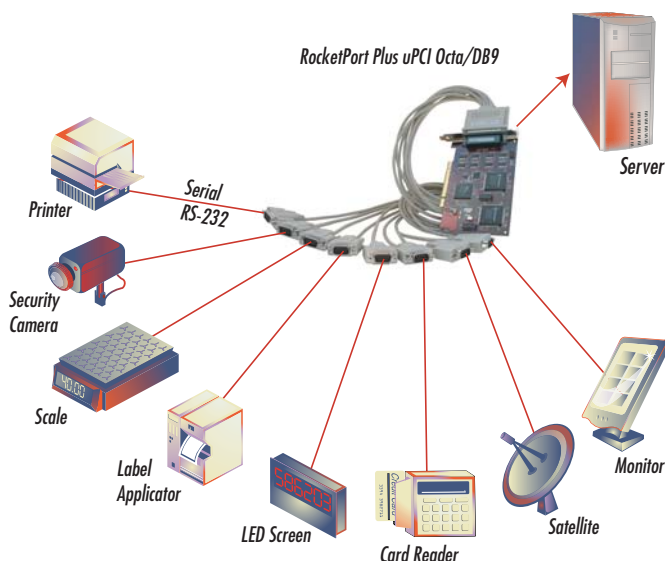Part number 99426-8

RocketPort® Plus uPCI Octa/DB9

The Comtrol RocketPort Plus uPCI Octa/DB9 serial port expansion card provides eight "native" serial ports utilizing a single PCI card slot and is compatible with all current 3.3 and 5.0 Volt PCI bus architectures. The DB9 serial ports support RS-232 serial communications at speeds up to 921 Kbps. Every RocketPort serial card features the high-performance RocketPort ASIC chip, consisting of a dedicated 44MHz processor that minimizes host CPU utilization and larger transmit-and-receive buffers than those of 16550 UART chips used in standard PC serial ports and low-end serial cards. **RocketPort ASIC technology enables these cards to outperform other serial expansion cards by handling the transmission of large amounts of data more reliably and efficiently.** Additionally, RocketPort products do not require the assignment of interrupts, simplifying installation and eliminating conflicts with other server cards. The product is fully compliant with the European RoHS Directive 2002/95/EC.

Highlights

- **RoHS Directive 2002/95/EC compliant**

- **Universal PCI design supporting 3.3 and 5.0 Volt PCI bus architectures**—ensures compatibility with all current PCI bus architectures

- **I/O mapping capabilities**—simplifies installation, eliminates memory conflicts, and enables plug-and-play compatibility

- **Multiport serial expansion using a single slot**—maximizes host expansion capabilities; adds eight COM ports using only one slot

- **On-board dedicated 44MHz RISC processor**—minimizes "host" CPU utilization

- **RS-232 communications support**—enables transmit-and-receive speeds up to 921 Kbps

- **DB9 fan-out cable**—provides cost-effective, compact, and flexible serial connections

- **Transmit buffers 16 times larger, and receive buffers 64 times larger, than a 16550 UART**—helps ensure smooth, efficient data transfer

- **Robust driver support**—enables card to work seamlessly with popular operating systems

RocketPort Plus uPCI Octa/DB9

Server

Serial RS-232

Printer

Security Camera

Scale

Label Applicator

LED Screen

Card Reader

Satellite

Monitor

Specifications

HARDWARE

Maximum Cards/System	4
Bus Interface	3.3 or 5.0 Volt PCI
Onboard Processor Speed	44MHz
Interrupts Used	None or One
Dimensions (WxH)	6.3 Inches x 4.0 Inches
Product Weight	0.3 Lbs (without Cable)
Packaged Shipping Weight	2.61 Lbs

ELECTRICAL SPECIFICATIONS

Current Consumption	+5V 310mA
Power Consumption	1.55 Watts

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to 45°C
Storage Temperature	−20 to 85°C
Humidity (Non−Condensing)	
Operating Humidity	20% to 80%
Storage Humidity	8% to 80%
Altitude	0 to 10,000 Ft
Heat Output	5.29 BTU/Hr
MTBF	39.8 Yrs
Surge Protection	25KV @200A for 1ns

DEVICE DRIVERS

QNX® 6.X, QNX® 4.X, SCO OpenServer™ 5, Free BSD 4, Free BSD 5, Linux, Microsoft® Windows® 98, Microsoft® Windows ME®, Microsoft Windows NT® 4.0, Microsoft® Windows® 2000, Microsoft® Windows XP®, Microsoft® Windows Server® 2003
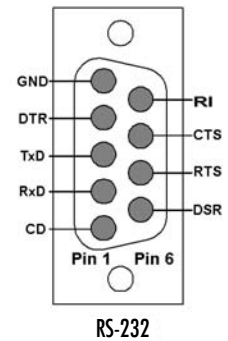
SERIAL COMMUNICATIONS

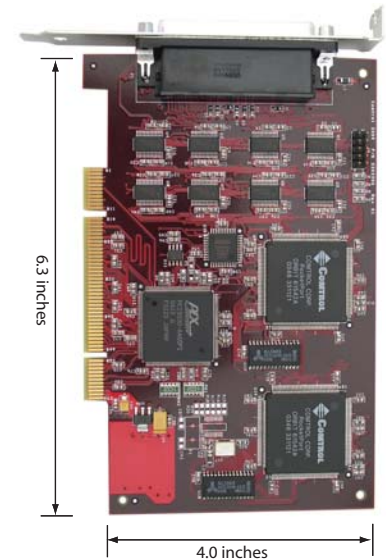|	
Number of Ports	8
Serial Interfaces	RS−232
Baud Rates	Up to 921 Kbps
Receive Buffer Size	1,024 Bytes
Transmit Buffer Size	256 Bytes
Connector Type	DB9 Male
Data Control	
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2
Ring Indicator	

REGULATORY APPROVAL MARKS

FCC Part 15 Subpart B Class B, Canadian ICES−003, C−Tick, CE Mark, UL, CUL, RoHS 2002/95/EC

REGULATORY STANDARDS

Immunity: EN55024
  IEC 1000−4−2/EN61000−4−2,
  IEC 1000−4−3/EN61000−4−3,
  IEC 1000−4−4/EN61000−4−4,
  IEC 1000−4−5/EN61000−4−5,
  IEC 1000−4−6/EN61000−4−6,
  IEC 1000−4−8/EN61000−4−8,
  IEC 1000−4−11/EN61000−4−11
Emission: EN55022, Amendment A1
  IEC 1000−3−2/EN61000−3−2,
  IEC 1000−3−3/EN61000−3−3,
  ICES−003, CISPR−22, AS/NZS−3548
Safety: IEC60950/EN60950

RS-232

6.3 inches

4.0 inches

RoHS Compliant 2002/95/EC

Product Support & Service Information

Sales Support
+1.763.494.4100
sales@comtrol.com

Technical Support
+1.763.494.4100
http://www.comtrol.com/support

Warranty Information
30-Day Satisfaction Gaurantee
5-Year Warranty

Email, FTP, and World Wide Web Support
www.comtrol.com
ftp.comtrol.com
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COMTROL®
Network Enabling Devices

www.comtrol.com

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