



## RocketPort® Plus uPCI Quad DB9

Part Number: 99425-1

ROCKETPORT



### KEY FEATURES AND BENEFITS

- Universal PCI design supporting 3.3 and 5.0 Volt 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 four 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
- RoHS 2 compliant under CE

### PRODUCT DESCRIPTION

The Control RocketPort Plus uPCI Quad/DB9 serial port expansion card provides four "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 Directive RoHS 2002/95/EC.



# ROCKETPORT SPECIFICATIONS

## HARDWARE

Maximum Cards/System	4
Product Dimensions (wxh)	6.3" x 4.0"
Product Weight (without cable)	0.3 oz
Packaged Shipping Weight	1.96 Lbs

## ELECTRICAL SPECIFICATIONS

Current Consumption	+5V 270mA
Power Consumption	1.35 W
Surge Protection	25KV @200A for 1ns

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to 45°C
Storage Temperature	-20 to 85°C
<b>Humidity NonCondensing</b>	
Operating Humidity	20% to 80%
Storage Humidity	8% to 80%
<b>Altitude</b>	0 to 10,000 Ft
<b>Heat Output</b>	4.61 BTU/Hr
<b>Mean time between failures</b>	39.8 Years

## DEVICE DRIVERS

QNX 6.X  
 QNX 4.X  
 SCO OpenServer 5  
 Free BSD 4  
 Free BSD 5  
 Linux  
 Microsoft® Windows® 7  
 Microsoft® Windows® 2008 Server  
 Microsoft® Windows® Vista  
 Microsoft® Windows Server® 2003  
 Microsoft® Windows® XP  
 Microsoft® Windows NT® 4.0 (Legacy)  
 Microsoft® Windows® 2000 (Legacy)

## SERIAL COMMUNICATIONS

Number of Ports	4
Bus Interface	3.3 or 5.0V PCI
Onboard Processor	44Mhz
Number of Interrupts Used	None or one
Serial Interfaces	RS-232
<b>Baud Rates</b>	300 to 921.6 Kbps
Receive Buffer	1,024 Bytes
Transmit Buffer	256 Bytes
<b>Connector Type</b>	DB9 Male
<b>Data Bits</b>	7 or 8
<b>Parity</b>	Odd, Even, None
<b>Stop Bits</b>	1 or 2

## REGULATORY APPROVAL MARKS



## REGULATORY STANDARDS

**Immunity**  
 European Standard EN55024  
 IEC 1000-4-2/EN61000-4-2: ESD  
 IEC 1000-4-3/EN61000-4-3: RF  
 IEC 1000-4-4/EN61000-4-4: Fast Transient  
 IEC 1000-4-5/EN61000-4-5: Surge  
 IEC 1000-4-6/EN61000-4-6: Conducted Disturbance  
 IEC 1000-4-8/EN61000-4-8: Magnetic Field  
 IEC 1000-4-11/EN61000-4-11: Dip and Voltage

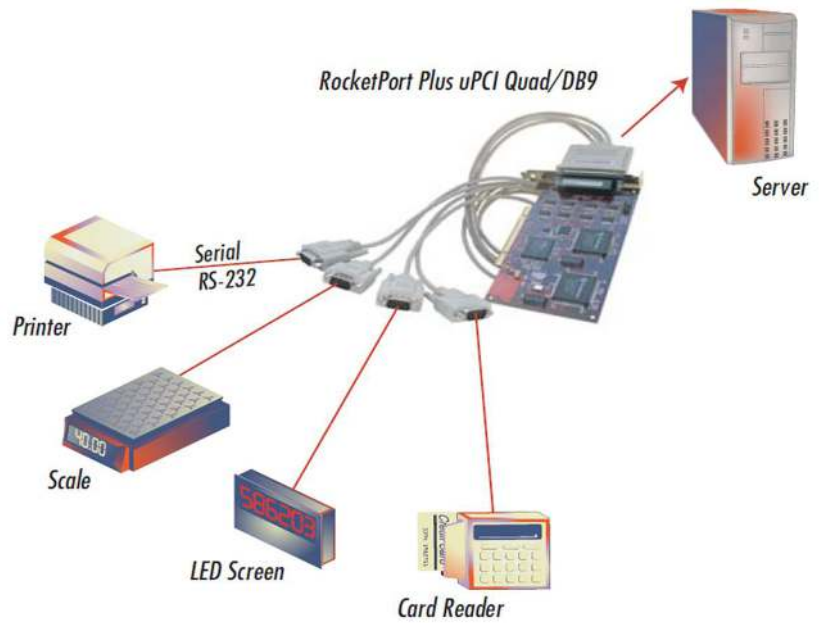
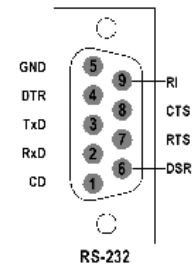
**Emission**  
 EN55022, Amendment A1  
 IEC1000-3-2/EN61000-3-2: Harmonic  
 IEC1000-3-3/EN61000-3-3: Flicker  
 ICES-003  
 CISPR-22  
 AS/NZS-3584

**Safety**  
 IEC 60950/EN60950  
 European Standard: RoHS 2 compliant under CE

## FEATURES

RoHS 2 compliant under CE  
 Low-Profile or Standard Height  
 Easy Setup  
 5 Year Warranty

## SERIAL PINOUT



**Warranty Information**  
 Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

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