



## RocketPort® uPCI4J

Part Number: 99350-6



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 460 Kbps
- Edge-mounted serial ports - provides cost-effective, compact 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
- RoHS2 compliant under CE

### PRODUCT DESCRIPTION

Control RocketPort uPCI 4J 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 RJ45 serial ports, mounted on the edge of the card, support RS-232 serial communications at speeds up to 460 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 RoHS 2 compliant under CE.



# ROCKETPORT SPECIFICATIONS

## HARDWARE

Maximum Cards/System	4
Product Weight	0.3 lbs
Packaged Shipping Weight	1.82 lbs

## ELECTRICAL SPECIFICATIONS

Current Consumption	200mA @ +5VDC
Power Consumption	1.0 Watts
Surge Protection	15KV @200A for 1ns

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to 45°C
Storage Temperature	-20 to 85°C
Operating Humidity (Non-condensing)	20% to 80%
Altitude	0 to 10,000 Ft
Heat Output	3.41 BTU/Hr

Mean time between failures	57.4 Years
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## 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)

## SERIAL COMMUNICATIONS

Bus Interface	3.3 or 5.0 Volt PCI
Onboard Processor Speed	44MHz
Interrupts Used	None or One
Form Factor	Universal PCI
Number of Ports	4 or 8
Serial Interfaces	RS-232
Baud Rates	300 to 460 Kbps
Receive Buffer Size	1024 Bytes
Transmit Buffer Size	256 Bytes
Connector Type	Depends on interface
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2

## EXPORT INFORMATION

Packaged Shipping Weight	0.77 lbs
	0.35 kg
UPC Code	7-56727-99350-6
Package Dimensions	10.25" x 2.6" x 7.5"
ECCN	EAR99
Schedule B Number	8471.80.1000

## 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

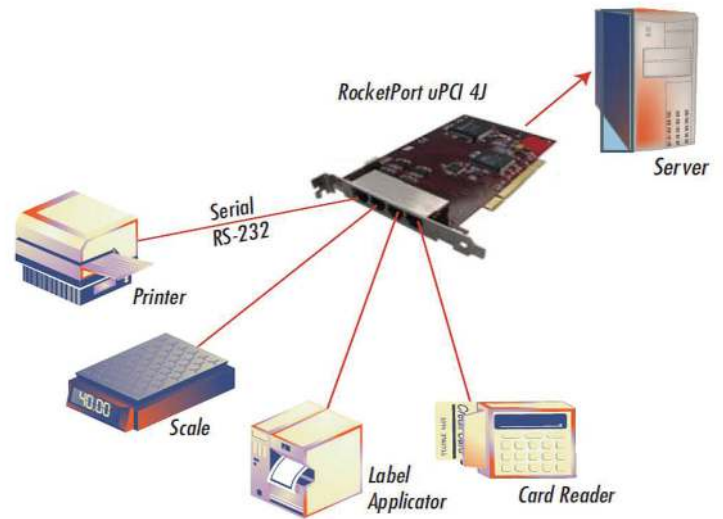
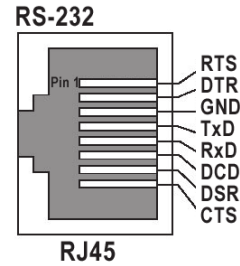
Emission  
 Canadian EMC Requirements ICES-003  
 European Standard EN55022  
 FCC Part 15 Subpart B: Class B limit  
 AS/NZS CISPR 22

Safety  
 IEC 60950/EN60950  
 CSA C22.2 No. 60950/UL60950, Third Edition  
 European Standard: RoHS 2 compliant under CE  
 Country of Origin USA

## REGULATORY APPROVALS



## PIN ASSIGNMENTS



RocketPort uPCI Connectivity



### Warranty Information

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

### Sales Support

+1.763.957.6000  
 sales@comtrol.com

### Technical Support

+1.763.957.6000  
 www.comtrol.com/  
 support

### Email, FTP, and Web Support

info@comtrol.com  
 ftp.comtrol.com  
 www.comtrol.com