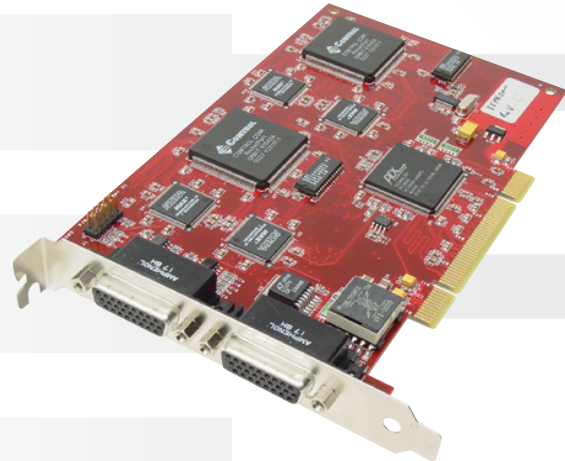




## HIGHLIGHTS

- RoHS Directive 2002/95/EC compliant
- 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
- 32-port serial expansion utilizing a single PCI slot - delivers large scale serial port expansion
- Standard IT rackmount RJ45 and surge protected DB25 interfaces available - provides compatibility with existing rackmount equipment and harsh environments
- On-board dedicated 36MHz RISC processor - minimizes "host" CPU utilization
- Support for RS-232 and RS-422 interfaces on each port - provides more options and enhanced compatibility
- 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



Part Number  
99356-8

## RocketPort uPCI 32-Port

The RocketPort uPCI 32-Port serial expansion card is compatible with all current 3.3 and 5.0 Volt PCI bus architectures. It provides 32 "native" serial ports utilizing a single 32- or 64-bit PCI card slot and an external serial interface module sold separately that supports RS-232 or RS-422 serial communications at speeds up to 230 Kbps. Individual serial ports on the same interface module can be configured for either RS-232 or RS-422 serial communication. External interfaces modules with additional surge protection are also available.

RocketPort products are designed with larger transmit-and-receive buffers than those of a 16550 UART found in typical PC serial ports and low-end serial cards, enabling them to handle the transmission of large amounts of data reliably and efficiently. They also utilize an on-board 36MHz processor, minimizing host CPU utilization. RocketPort products do not require the assignment of interrupts, simplifying installation and eliminating conflicts with other server cards. Drivers are available for popular operating systems. The product is fully compliant with the RoHS directive 2002/95/EC.



## SPECIFICATIONS

### HARDWARE

<b>Product Weight</b>	0.32 Lbs
<b>Packaged Shipping Weight</b>	1.82 Lbs
<b>Maximum Cards/System</b>	4
<b>Surge Protection</b>	25KV @ 200A for 1ns

### ELECTRICAL SPECIFICATIONS

<b>Device Requirements</b>	Depends on interface
<b>Device Consumption</b>	Depends on interface

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	0° to 45°C
<b>Storage Temperature</b>	-20° to 85°C
<b>Relative Humidity</b>	20% to 80%
<b>Altitude</b>	0 to 10,000 Ft
<b>Heat Output</b>	56.37 BTU/Hr
<b>Mean time between failures</b>	17.9 Yrs

### 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

<b>Bus Interface</b>	3.3 or 5.0V PCI
<b>Serial Interfaces</b>	RS-232/RS-422
<b>Baud Rates</b>	300 to 230.4Kbps
<b>Serial Connectors</b>	Depends on interface
<b>Data Bits</b>	7 or 8
<b>Parity</b>	Odd, Even, None
<b>Stop Bits</b>	1 or 2
<b>Flow Control</b>	Hardware/Software

### REGULATORY APPROVAL MARKS

FCC Part 15 Subpart B Class B, Canadian EMC Requirements



### REGULATORY STANDARDS

#### Immunity

EMC Directive 89/336/EEC,  
 EN55024, IEC1000-4-2, IEC 1000-4-3, IEC 1000-4-4,  
 IEC 1000-4-5, IEC 1000-4-6, IEC 1000-4-8,  
 IEC 1000-4-11

#### Emission

ICES-003, CISPR-22/EN55022

#### Safety

UL/CUL 60950



## ORDERING INFORMATION

99356-8 RocketPort uPCI 32-Port

\* Card requires external interface unit sold separately. Choose from below.

99395-7 16-Port DB25F RS-232 Interface RoHS

99360-5 16-Port DB25F RS-232/422 Interface RoHS

99390-2 16-Port DB25M RS-232/422, Surge Interface RoHS

99410-7 16-Port RJ45 Rackmount RS-232 RoHS

99420-6 16-Port RJ45 Rackmount RS-422 RoHS

99380-3 32-Port RJ45 Rackmount RS-232 RoHS

## PRODUCT SUPPORT & SERVICE INFORMATION

### 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

