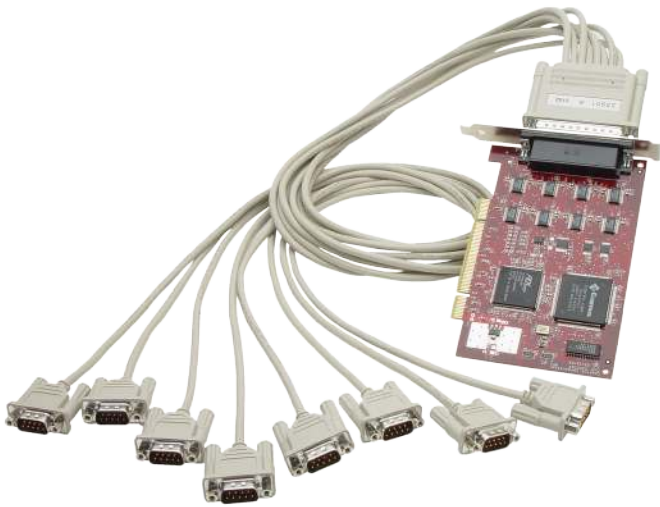




## RocketPort® uPCI Octacable DB9

Part Number: 99342-1



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— DB9 fan-out octacable provides cost-effective, compact and flexible serial connections
- On-board dedicated 36MHz RISC processor—minimizes “host” CPU utilization
- RS-232 communications support—enables transmit-and-receive speeds up to 460 Kbps
- 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

The RocketPort uPCI Octa/DB9 serial port expansion card is compatible with all current 3.3 and 5.0 Volt PCI bus architectures. It provides eight “native” serial ports utilizing a single 32- or 64-bit PCI card slot. The serial ports with DB9 connectors support RS-232 serial communications at speeds up to 460 Kbps. RocketPort products are designed with larger transmit-and-receive buffers than those available in a standard 16550 UART found in standard 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 RoHS 2 compliant under CE.



connect. communicate. control.

# ROCKETPORT SPECIFICATIONS

## HARDWARE

|                          |          |
|--------------------------|----------|
| Maximum Cards/System     | 4        |
| Product Weight           | 0.2 lbs  |
| Packaged Shipping Weight | 2.20 lbs |

## ELECTRICAL SPECIFICATIONS

|                     |                     |
|---------------------|---------------------|
| Device Requirements | +5V 294mA           |
| Device Consumption  | 4.26 Watts          |
| Surge Protection    | 15KV @ 200A for 1ns |

## ENVIRONMENTAL SPECIFICATIONS

|                         |                |
|-------------------------|----------------|
| Operating Temperature   | 0 to 45°C      |
| Storage Temperature     | -20 to 85°C    |
| Humidity Non-condensing |                |
| Operating Humidity      | 20% to 80%     |
| Altitude                | 0 to 10,000 Ft |
| Heat Output             | 5.1 BTU/Hr     |

|                            |            |
|----------------------------|------------|
| Mean time between failures | 25.6 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

|                   |                     |
|-------------------|---------------------|
| Bus Interface     | 3.3 or 5.0 Volt PCI |
| Serial Interfaces | RS-232              |
| Baud Rates        | 300 to 460Kbps      |
| Connector Type    | (8) DB9 Male        |
| Data Bits         | 7 or 8              |
| Parity            | Odd, Even, None     |
| Stop Bits         | 1 or 2              |
| Flow Control      | Hardware/Software   |

## EXPORT INFORMATION

|                          |                       |
|--------------------------|-----------------------|
| Packaged Shipping Weight | 2.2 lbs               |
| UPC Code                 | 1.0 kg                |
| Package Dimensions       | 7-56727-99342-1       |
| ECCN                     | 16.25" x 3.25" x 9.5" |
| SCHEDULE B               | EAR99                 |
|                          | 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

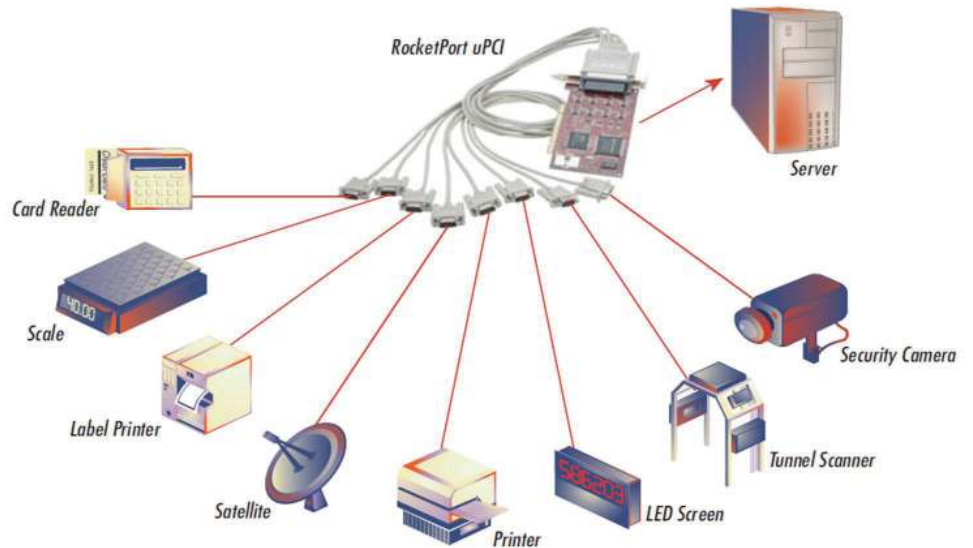
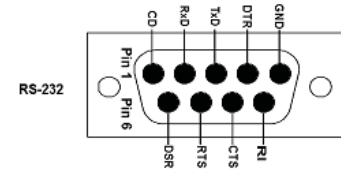
**Emission**  
 Canadian EMC Requirements ICES-003  
 European Standard EN55022  
 FCC Part 15 Subpart B: Class B limit  
 AS/NZS CISPR 22

**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



## PINOUT DIAGRAMS



### 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