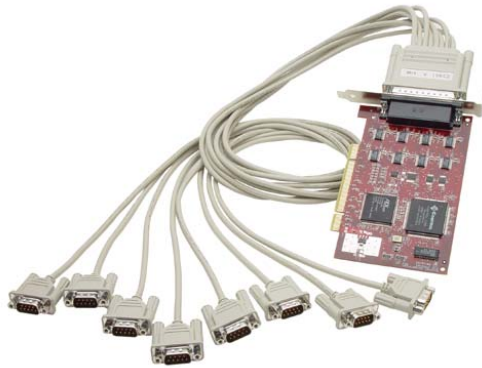


Part number 99342-1

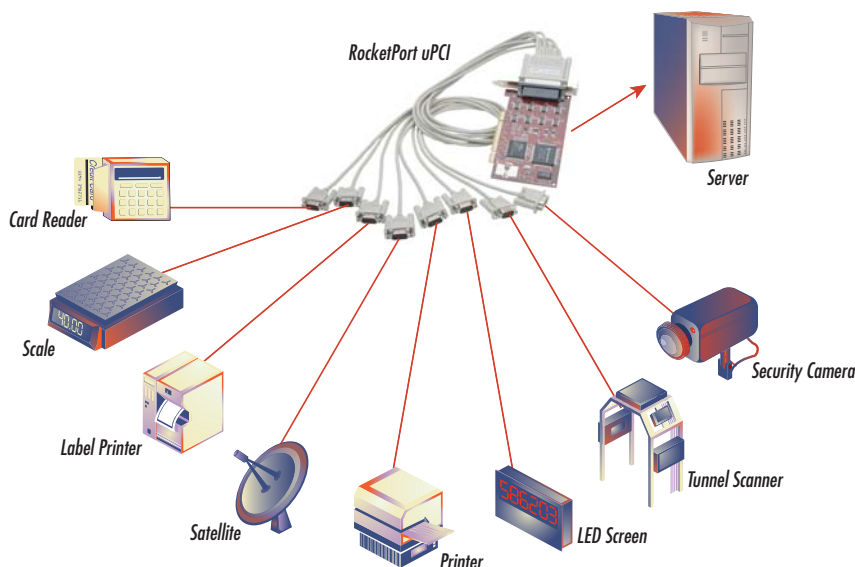
# RocketPort® uPCI Octa/DB9



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 compliant with the 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**—DB9 fanout 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



RocketPort uPCI Connectivity

# Specifications

## HARDWARE

Product Weight	0.22 Lbs
Packaged Shipping Weight	2.20 Lbs
Maximum Cards/System	4
Surge Protection	15KV@ 200A for 1ns

## ELECTRICAL SPECIFICATIONS

Device Requirements	+5V 294mA
Device Consumption	4.26 Watts

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to 45°C
Storage Temperature	-20 to 85°C
Humidity (Non-Condensing)	20% to 80%
Altitude	0 to 10,000 Ft
Heat Output	5.1 BTU/Hr
MTBF	25.6 Yrs

## DEVICE DRIVERS

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

## SERIAL COMMUNICATIONS

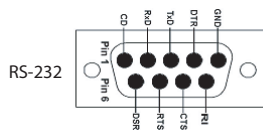
Bus Interface	3.3 or 5.0V PCI
Serial Interfaces	RS-232
Baud Rates	50 to 460.8 Kbps
Serial Connectors	(8) DB9 Male
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2
Flow Control	Hardware/Software

## REGULATORY APPROVAL MARKS

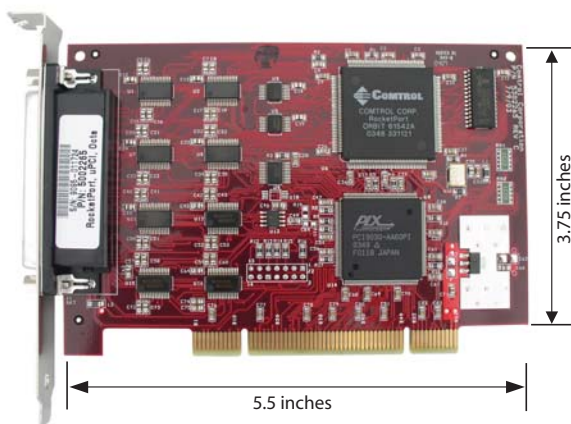
CE Mark, C-Tick, UL & CUL Recognized, FCC Part 15 Subpart B Class B, Canadian EMC Requirements, RoHS 2002/95/EC

## 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



Serial Connector Pin Assignments



Dimensional Diagram for RocketPort uPCI

## Product Support & Service Information

**Sales Support**  
+1.763.494.4100  
sales@comtrol.com

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

**Warrant Information**  
Control offers a 30-day satisfaction guarantee and a 5-year limited warranty on all RocketPort uPCI products.

**Email, FTP, and World Wide Web Support**  
[www.comtrol.com](http://www.comtrol.com)  
[ftp.comtrol.com](mailto:ftp.comtrol.com)  
[info@comtrol.com](mailto:info@comtrol.com)



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