

Part number 99365-0

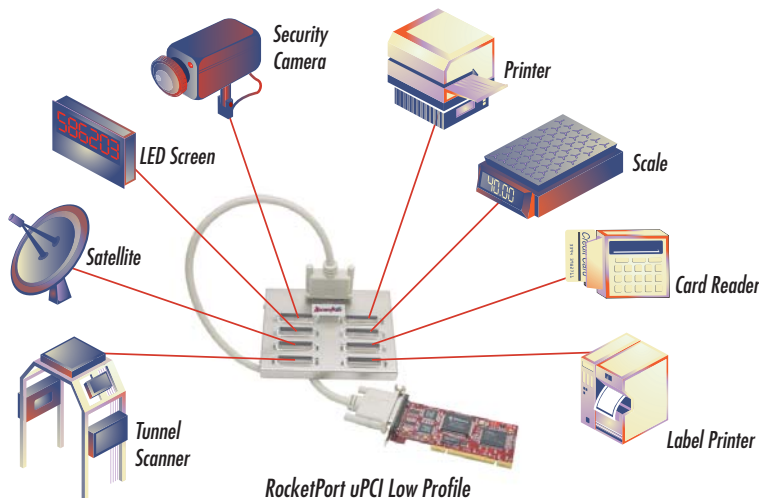
RocketPort® uPCI 8-Port Low Profile



The RocketPort uPCI 8-Port Low Profile serial port expansion card is compatible with all current 3.3 and 5.0 Volt PCI bus architectures. Its half-height design enables it to be used in both standard or low profile servers. It provides eight “native” serial ports utilizing a single 32- or 64-bit PCI card slot. Several external serial interface modules are available sold separately that support RS-232 or RS-422 serial communications at speeds up to 230 Kbps. Individual serial ports on the same interface can be configured for either RS-232 or RS-422 communication. External interfaces with additional surge protection are also available. 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
- **RS-232, RS-422, and surge protected DB25 interfaces available**—delivers more options and enhanced compatibility
- **Half-height design**—allows installation in standard or low-profile servers
- **On-board dedicated 36MHz RISC processor**—minimizes "host" CPU utilization
- **RS-232 or RS-422 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



Specifications

HARDWARE

Product Weight	0.15 Lbs
Packaged Shipping Weight	1.15 Lbs
Maximum Cards/System	4
Surge Protection	Depends on Interface

ELECTRICAL SPECIFICATIONS

Device Requirements	+5V 224mA
Device Consumption	Depends on Interface

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to 45°C
Storage Temperature	-20 to 85°C
Relative Humidity	20% to 80%
Altitude	0 to 10,000 Ft
Heat Output	14.99 BTU/Hr
MTBF	32.1 Yrs

DEVICE DRIVERS

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

SERIAL COMMUNICATIONS

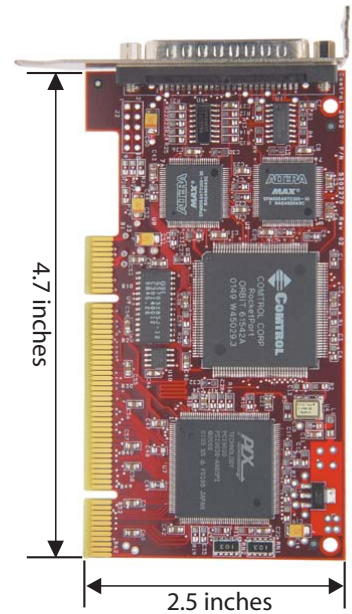
BUS Interface	3.3 or 5.0V PCI
Serial Interfaces	RS-232/RS-422
Baud Rates	50 to 230.4Kbps
Serial Connectors	Depends on Interface
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2
Flow Control	Hardware/Software

REGULATORY APPROVAL MARKS

CE Mark, C-Tick, UL & CUL Recognized, FCC Part 15: 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



Dimensions for Low-Profile Card



Ordering Information

Card requires external interface unit sold separately. Choose from the following:

Product	Part Number
4-Port DB25F RS-232/422 Interface RoHS	99405-3
8-Port DB25F RS-232 Interface RoHS	99375-9
8-Port DB25F RS-232/422 Interface RoHS	99370-4
8-Port DB25M RS-232/422, Surge Interface RoHS	99385-8

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Product Support & Service Information

Sales Support
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sales@comtrol.com

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

Warranty Information
Comtrol offers a 30-day satisfaction guarantee and a 5-year limited warranty on all RocketPort uPCI products.

Email, FTP, and World Wide Web Support
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info@comtrol.com



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