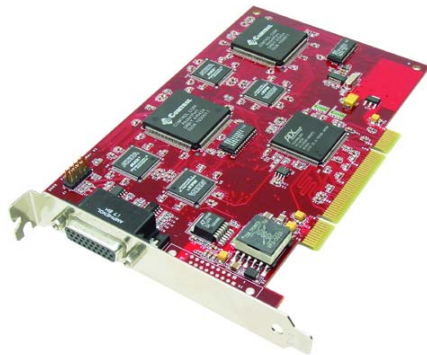


Part number 99355-1

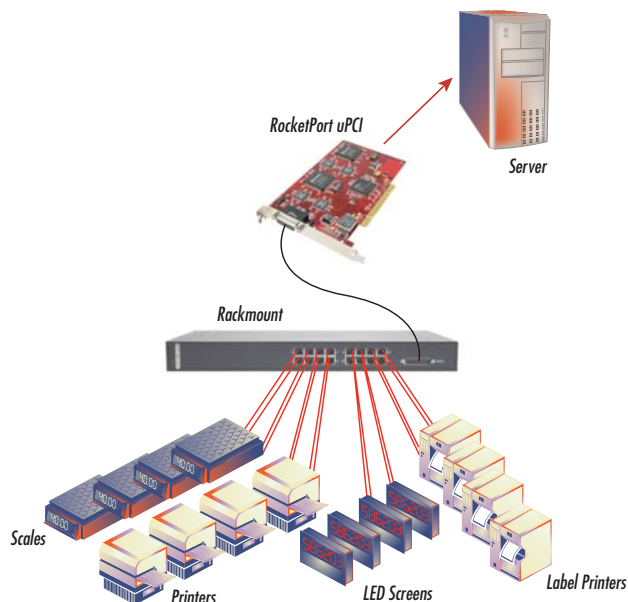
RocketPort® uPCI 16-Port



The RocketPort uPCI 16-Port serial expansion card is compatible with all current 3.3 and 5.0 Volt PCI bus architectures. It provides 16 “native” serial ports utilizing a single PCI card slot and an external serial interface module available 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 communication. External interface 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.

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
- **16-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



Specifications

HARDWARE

Product Weight	0.26 Lbs
Packaged Shipping Weight	1.09 Lbs
Maximum Cards/System	4
Surge Protection	25KV @ 200A for 1ns

ELECTRICAL SPECIFICATIONS

Device Requirements	Depends on Interface
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	30.32 BTU/Hr
MTBF	22.8 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-232/422
Baud Rates	50 to 230.4 Kbps
Serial Connectors	Depends on Interface
Data Bits	7 or 8
Parity	Odd, Even, or None
Stop Bits	1 or 2
Flow Control	Hardware/Software

REGULATORY APPROVAL MARKS

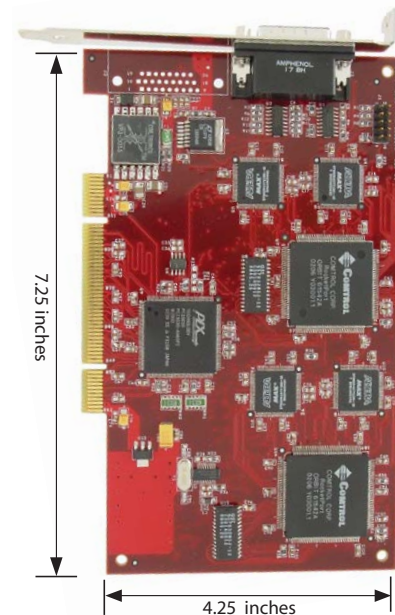
CE Mark, C-Tick, UL & CUL Recognized, FCC Part 15 Class A, Canadian EMC Requirements, RoHS 2002/95/EC

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 RocketPort uPCI Card



Ordering Information

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

Product	Part Number
16-Port DB25 Female RS-232 Interface RoHS	99395-7
16-Port DB25 Female RS-232/422 Interface RoHS	99360-5
16-Port DB25 Male RS-232/422, Surge Interface RoHS	99390-2
16-Port RJ45 RackMount RS-232 RoHS	99410-7
16-Port RJ45 RackMount RS-422 RoHS	99420-6

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Product Support & Service Information

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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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