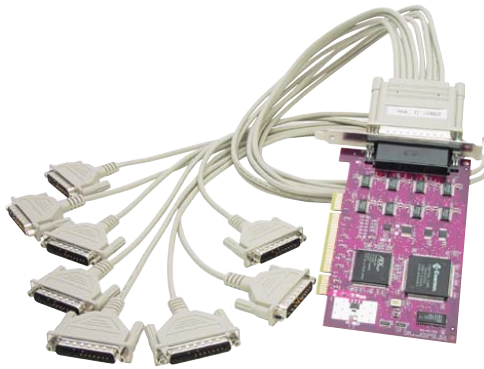


Part number 99098-7

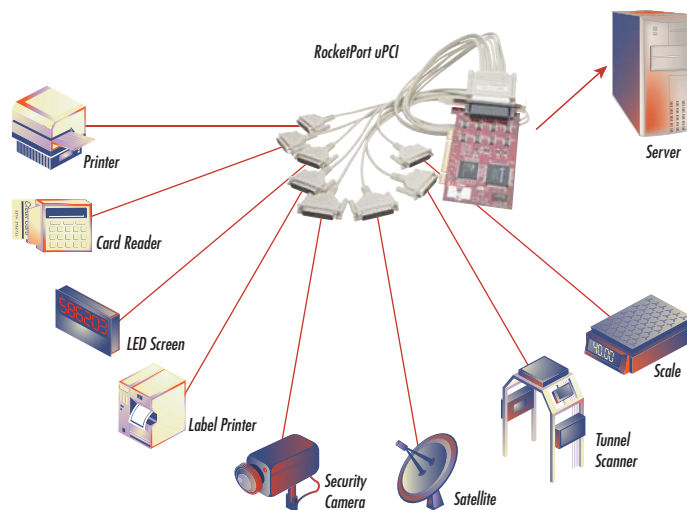
RocketPort® uPCI Octa/DB25



The RocketPort uPCI Quad/DB25 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 DB25 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.

Highlights

- **Universal PCI design supporting 3.3 and 5.0 Volt PCI bus architectures** — ensures compatibility with all current PCI bus architectures
- **RS-232 communications support** — delivers speeds up to 460 Kbps
- **DB25 fan-out cable** — provides cost-effective, compact, and flexible serial connections
- **Transmit buffer 16 times larger, and receive buffers 64 times larger**, than a 16550 UART — helps ensure smooth, efficient data transfer
- **I/O mapping capabilities** — simplifies installation, eliminates memory conflicts, and enables plug-and-play compatibility
- **On-board 36MHz RISC processor** — minimizes "host" CPU utilization
- **Extensive driver support** — enables card to work seamlessly with popular operating systems



RocketPort uPCI Connectivity

Specifications

HARDWARE

Product Weight	0.23 Lbs
Packaged Shipping Weight	2.80 Lbs
Maximum Cards/System	4
Surge Protection	15KV @ 200A for 1ns

ELECTRICAL SPECIFICATIONS

Device Requirements	+5V 294mA
Device Consumption	4.26 Watts

ENVIRONMENTAL SPECIFICATIONS

Ambient Operating Temperature	0 to 45°C
Storage Temperature	-20 to 85°C
Humidity (Non-Condensing)	System Off: 8% to 80% System On: 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) DB25 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

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

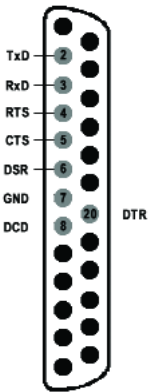
Safety: UL/CUL 60950

Product Support & Service Information

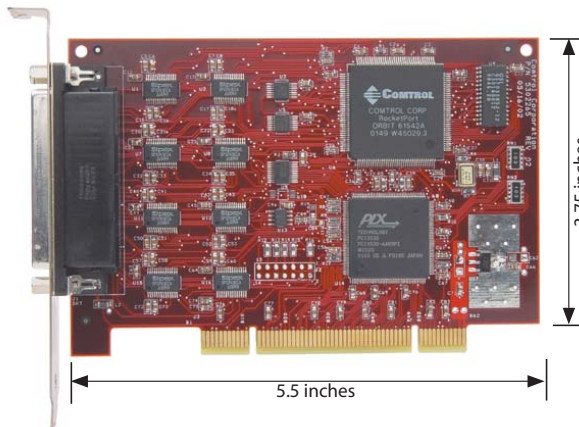
Sales Support
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Serial Connector Pin Assignments



Dimensional Diagram for RocketPort uPCI

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