



RocketPort® Plus uPCI 422 Quad DB9

Part Number: 99401-5



KEY FEATURES AND BENEFITS

- RoHS 2 compliant under CE
- 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—maximizes host expansion capabilities; adds four COM ports using only one slot
- On-board dedicated 44MHz RISC processor—minimizes “host” CPU utilization
- RS-422 communications support—enables transmit-and-receive speeds up to 921 Kbps
- DB9 fan-out cable—provides cost-effective, compact, and flexible serial connections
- 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

PRODUCT DESCRIPTION

The Control RocketPort Plus uPCI 422 Quad/DB9 serial port expansion card provides four “native” serial ports utilizing a single PCI card slot and is compatible with all current 3.3 and 5.0 Volt PCI bus architectures. The DB9 serial ports support RS-422 serial communications at speeds up to 921 Kbps. Every RocketPort serial card features the high-performance RocketPort ASIC chip, consisting of a dedicated 44MHz processor that minimizes host CPU utilization and larger transmit-and-receive buffers than

those of 16550 UART chips used in standard PC serial ports and low-end serial cards. RocketPort ASIC technology enables these cards to outperform other serial expansion cards by handling the transmission of large amounts of data more reliably and efficiently. Additionally, RocketPort products do not require the assignment of interrupts, simplifying installation and eliminating conflicts with other server cards. The product is fully compliant with RoHS 2 under CE.



ROCKETPORT SPECIFICATIONS

HARDWARE

Maximum Cards/System	4
Bus Interface	3.3 or 5.0 Volt PCI
Onboard Processor Speed	44MHz
Interrupts Used	None or One
Dimensions (WxH)	6.3 Inches x 4.0 Inches
Product Weight	0.3 Lbs (without Cable)
Packaged Shipping Weight	1 Lbs.96

ELECTRICAL SPECIFICATIONS

Current Consumption	+5V 270mA
Power Consumption	1.35 Watts

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	5.29 BTU/Hr
MTBF (Mean time between failures)	37.1 Years
Surge Protection	25KV @200A for 1ns

DEVICE DRIVERS

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

SERIAL COMMUNICATIONS

Number of Ports	4 (DB9 Male)
Serial Interfaces	RS-422
Baud Rates	Up to 921 Kbps
Receive Buffer Size	1,024 Bytes
Transmit Buffer Size	256 Bytes
Connector Type	DB9 Male
Data Control	
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2
Ring Indicator	

REGULATORY STANDARDS

Immunity

IEC 1000-4-2/EN61000-4-2,
 IEC 1000-4-3/EN61000-4-3,
 IEC 1000-4-4/EN61000-4-4,
 IEC 1000-4-5/EN61000-4-5,
 IEC 1000-4-6/EN61000-4-6,
 IEC 1000-4-8/EN61000-4-8,
 IEC 1000-4-11/EN61000-4-11

Emission

IEC 1000-3-2/EN61000-3-2,
 IEC 1000-3-3/EN61000-3-3,
 ICES-003, CISPR-22, AS/NZS-3548

Safety

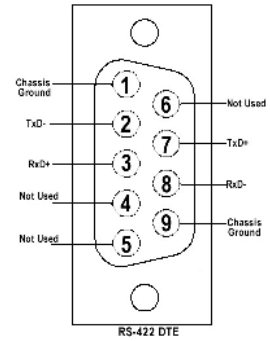
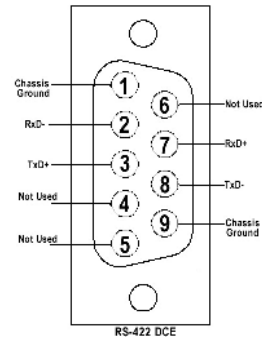
EC60950/EN60950
 RoHS2 compliant under CE

REGULATORY APPROVAL MARKS

RoHS 2002/95/EC, FCC Part 15 Subpart B Class B,
 Canadian ICES-003, C-Tick, CE Mark, UL/cUL



PINOUTS



Warranty Information
 Control offers a 30-day satisfaction guarantee and 5-year limited warranty.

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