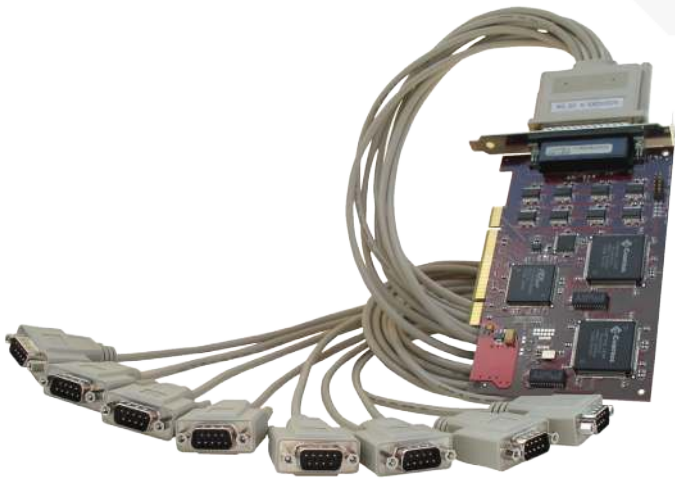




RocketPort® Plus uPCI Octa DB9

Part Number: 99426-8



KEY FEATURES AND BENEFITS

- Universal PCI design supporting 3.3 and 5.0 Volt 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 eight COM ports using only one slot
- On-board dedicated 44MHz RISC processor - minimizes "host" CPU utilization
- RS-232 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
- RoHS 2 compliant under CE

PRODUCT DESCRIPTION

The Control RocketPort Plus uPCI Octa/DB9 serial port expansion card provides eight "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-232 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 the European Directive RoHS 2002/95/EC.



ROCKETPORT SPECIFICATIONS

HARDWARE

| | |
|--------------------------------|-------------|
| Maximum Cards/System | 4 |
| Product Dimensions (wxh) | 6.3" x 4.0" |
| Product Weight (without cable) | 0.3 oz |
| Packaged Shipping Weight | 1.8 Lbs |

ELECTRICAL SPECIFICATIONS

| | |
|---------------------|--------------------|
| Current Consumption | +5V 270mA |
| Power Consumption | 1.35 W |
| Surge Protection | 25KV @200A for 1ns |

ENVIRONMENTAL SPECIFICATIONS

| | |
|----------------------------|----------------|
| Operating Temperature | 0 to 45°C |
| Storage Temperature | -20 to 85°C |
| Humidity NonCondensing | |
| Operating Humidity | 20% to 80% |
| Storage Humidity | 8% to 80% |
| Altitude | 0 to 10,000 Ft |
| Heat Output | 5.29 BTU/Hr |
| Mean time between failures | 39.8 Years |

DEVICE DRIVERS

QNX 6.X
 QNX 4.X
 SCO OpenServer 5
 Free BSD 4
 Free BSD 5
 Linux
 Microsoft® Windows® 7
 Microsoft® Windows® 2008 Server
 Microsoft® Windows® Vista
 Microsoft® Windows Server® 2003
 Microsoft® Windows® XP
 Microsoft® Windows NT® 4.0 (Legacy)
 Microsoft® Windows® 2000 (Legacy)

SERIAL COMMUNICATIONS

| | |
|---------------------------|-------------------|
| Number of Ports | 8 |
| Bus Interface | 3.3 or 5.0V PCI |
| Onboard Processor | 44Mhz |
| Number of Interrupts Used | None or one |
| Serial Interfaces | RS-232 |
| Baud Rates | 300 to 921.6 Kbps |
| Receive Buffer | 1,024 Bytes |
| Transmit Buffer | 256 Bytes |
| Connector Type | DB9 Male |
| Data Bits | 7 or 8 |
| Parity | Odd, Even, None |
| Stop Bits | 1 or 2 |

REGULATORY APPROVAL MARKS



REGULATORY STANDARDS

Immunity
 European Standard EN55024
 IEC 1000-4-2/EN61000-4-2: ESD
 IEC 1000-4-3/EN61000-4-3: RF
 IEC 1000-4-4/EN61000-4-4: Fast Transient
 IEC 1000-4-5/EN61000-4-5: Surge
 IEC 1000-4-6/EN61000-4-6: Conducted Disturbance
 IEC 1000-4-8/EN61000-4-8: Magnetic Field
 IEC 1000-4-11/EN61000-4-11: Dip and Voltage

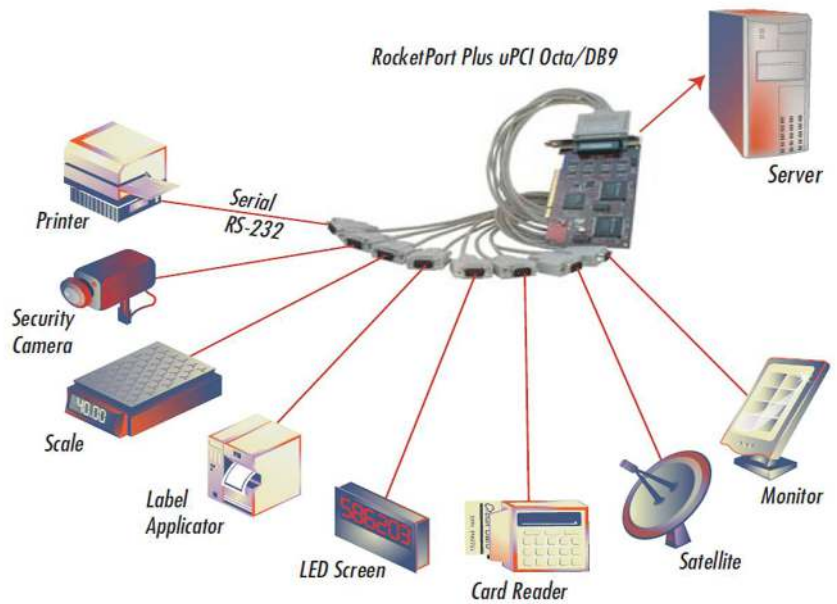
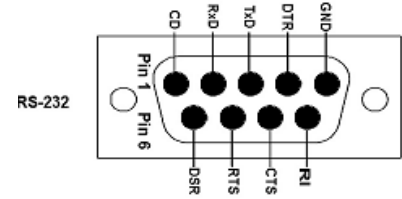
Emission
 EN55022, Amendment A1
 IEC1000-3-2/EN61000-3-2: Harmonic
 IEC1000-3-3/EN61000-3-3: Flicker
 ICES-003
 CISPR-22
 AS/NZS-3584

Safety
 IEC 60950/EN60950
 European Standard: RoHS 2 compliant under CE

FEATURES

RoHS 2 compliant under CE
 Low-Profile or Standard Height
 Easy Setup
 5 Year Warranty

SERIAL PINOUT



Warranty Information

Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

Sales Support

+1.763.957.6000
 sales@comtrol.com

Technical Support

+1.763.957.6000
 www.comtrol.com/support

Email, FTP, and Web Support

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