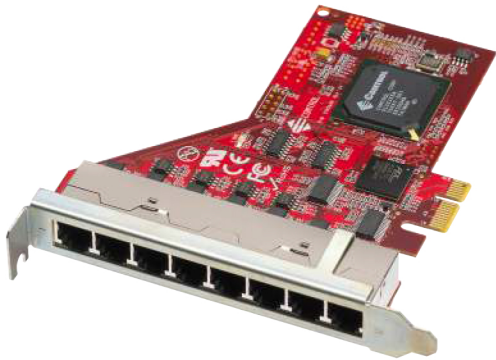


## ROCKETPORT® EXPRESS 8J Card

Part Number: 31310-6



### KEY FEATURES AND BENEFITS

- RJ11 multi-port serial expansion using a single PCIe slot maximizes host expansion capabilities; adds additional COM ports using only one slot
- PCI Express x1, x2, x4, x8, x12 and x16 lane connectivity
- Robust driver support enables card to work seamlessly with popular operating systems - Windows, Linux, QNX
- Microsoft certified Windows drivers supporting Windows Vista, XP, Server 2003, and Windows 7
- Low-latency communication supporting the widest variety of applications
- RS-232, RS-422, and RS-485 software-selectable
- On-board dedicated 44MHz RISC processor minimizes "host" CPU utilization
- Edge-mounted RJ11 serial ports provide cost-effective, compact serial connections
- Transmit and receive buffers 32 times larger than a standard 16550 UART-based serial card ensuring smooth, efficient data transfer
- RoHS 2 compliant under CE

### PRODUCT DESCRIPTION

Control's RocketPort EXPRESS 8J serial port expansion card provides eight "native" serial ports utilizing a single PCIe card slot and is compatible with all PCI Express bus architectures. The RJ11 serial ports, mounted on the edge of the card, support software configurable RS-232/422/485 serial communications at speeds up to 921.6 Kbps.

Every RocketPort serial card features the high-performance RocketPort processor chip, consisting of a dedicated 44MHz core that minimizes host CPU utilization and optimizes data transmission via larger transmit-and-receive buffers than those of 16550 UART chips commonly, used in standard PC serial

ports and low-end serial cards.

RocketPort technology enables these cards to outperform other serial expansion cards by handling the transmission of large amounts of data more reliably and efficiently.

Certified Windows drivers, support for the most popular operating systems, and readily available U.S.-based support makes the RocketPort 8J the perfect solution for projects requiring PC-based serial communication.



# ROCKETPORT SPECIFICATIONS

## HARDWARE

Maximum Cards/System  
4

### Bus Interface

PCI Express (PCIe) x1, x2, x4, x8, x12, x16-Lane

### Board Dimensions

4.7" x 4.0"

### Product Weight (w/ cable)

3.9 oz

## ELECTRICAL SPECIFICATIONS

### Current Consumption

3.3VDC or 910mA

### Power Consumption

3.1 W

### Surge Protection

15KV @200A for 1ns

## ENVIRONMENTAL SPECIFICATIONS

### Operating Temperature

0 to 60°C

### Storage Temperature

-20 to 85°C

### Operating Humidity

NonCondensing 5% to 95%

### Altitude

0 to 10,000 Ft

### Heat Output

10.6 BTU/Hr

### Mean time between failures

65.6 Years

## DEVICE DRIVERS

FreeBSD® 5

FreeBSD® 6

QNX® 6

SCO OpenServer™ 5

SCO OpenServer™ 6

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

### Port Communication

RJ11

### Software Interfaces

RS-232/422/485

### Baud Rates

300 to 921.6 Kbps

Receive Buffer 512 Bytes

Transmit Buffer 512 Bytes

### Data Bits

5, 6, 7, or 8

### Parity

Odd, Even, None, Mark and Space

### Stop Bits

1, 1.5, or 2

### Flow Control

Hardware or Software

### Ring Indicator

No

## EXPORT INFORMATION

### Packaged Shipping Weight

0.85 lbs

### Package Dimensions

9.19" x 7.25" x 2.5"

### UPC Code

7.5672731310-6

### ECCN

EAR99

### Schedule B Number

8471.80.1000

## 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

Canadian EMC Requirements ICES-003

European Standard EN55022

FCC Part 15 Subpart B: Class B limit

AS/NZS CISPR 22

### Safety

IEC 60950/EN60950

CSA C22.2 No. 60950/UL60950, Third Edition

European Standard: RoHS 2 compliant under CE

## FEATURES

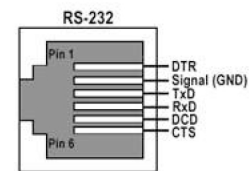
RoHS 2 compliant under CE

Low-Profile or Standard Height

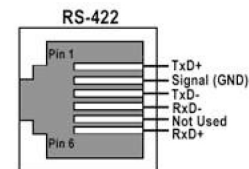
Easy Setup

5 Year Warranty

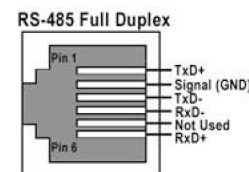
## SERIAL PINOUT



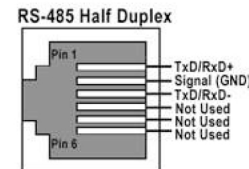
RJ11



RJ11



RJ11



RJ11



## Warranty Information

Control 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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ftp.comtrol.com  
www.comtrol.com