



## RocketPort® INFINITY 4J

Part Number: 30023-6



### KEY FEATURES AND BENEFITS

- RJ45 multi-port serial expansion using a single PCI slot maximizes host expansion capabilities; adds additional COM ports using only one slot
- Low-latency communication supporting the widest variety of applications
- Support for the most popular Windows operating systems (including Windows® 10) and Linux kernels and QNX 6.x
- Windows driver, which can be configured for interrupt or polling mode
- RS-232, RS-422, and RS-485 software-selectable
- On-board dedicated 44MHz RISC processor minimizes “host” CPU utilization
- Edge-mounted RJ45 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
- Free troubleshooting tools in the event you want to diagnose an issue:
  - Hardware diagnostics
  - LCOM (Linux tool for testing serial ports)
  - Control Utility, which includes Test Terminal (WCOM2) for serial port testing and Port Monitor for monitoring ports

ROCKETPORT

### PRODUCT DESCRIPTION

Control's RocketPort INFINITY 4J serial port expansion card provides four “native” serial ports utilizing a single PCI card slot and is compatible with all PCI Infinity bus architectures. The RJ45 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. Product is fully compatible with systems that have 32 or 64 bit 3.3 or 5 volt PCI and PCI-X expansion slots. The INFINITY design utilizes the Comtrol Unity ASIC technology

that takes full advantage of the 66 MHz BUS speed available on PCI-X servers

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 transmitand- receive buffers than those of 16550 UART chips, commonly used in standard PC serial ports and low-end serial cards.



connect. communicate. control.

# ROCKETPORT SPECIFICATIONS

## HARDWARE

### Maximum Cards/System

4

### Bus Interface Specification

UNIVERSAL PCI PCI-X COMPATIBLE

### Board Dimensions

4.7" x 3.8"

### Product Weight (w/ cables)

2.4 oz

## ELECTRICAL SPECIFICATIONS

### Current Consumption

3.3 V or 365mA

### Power Consumption (Max.)

1.2 Watts

### ESD Surge Protection

Provides minimum of 15KV for all serial lines

## ENVIRONMENTAL SPECIFICATIONS

### Air Temperature

System On 0° to 60°C  
System Off -20° to 85°C

### Operating Humidity

5% to 95%

### Altitude

0 to 10,000 feet  
3,048m

### Heat Output

4.1 BTU/Hr

### Mean time between failures (MTBF)

90.4 years

## DEVICE DRIVERS

FreeBSD 5

FreeBSD 6

QNX® 6.X

Linux

Microsoft® Windows® 7

Microsoft® Windows® 8

Microsoft® Windows® 8.1

Microsoft® Windows® 10

Microsoft® Windows® Server 2008 R2

Microsoft® Windows® Server 2012

## SERIAL COMMUNICATIONS

### Connector Type

RJ45

### Supported Standards

RS-232/422/485

### Baud Rate

300bps to 460Kbps  
Receiver 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

0.65 lb

### Package Dimensions

10 1/4" x 7 1/2" x 2 3/4"

### UPC Code

7-56727-30023-6

### ECCN

EAR99

### Schedule B Number

8471.80.1000

## FEATURES

RoHS 2 compliant under CE

Low-Profile or Standard Height

Easy Setup

5 Year Warranty

## REGULATORY APPROVALS

### Emissions

Canadian EMC Requirements ICES-003

European Standard EN55022

FCC Part 15 Subpart B: Class B limit

AS/NZS CISPR 22

### 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

### Safety

IEC 60950/EN60950 (LISTED)

CSA C22.2 No. 60950/UL60950 Third Edition

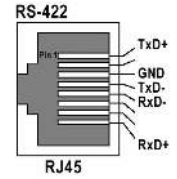
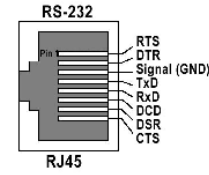
### Other

RoHS2 Compliant

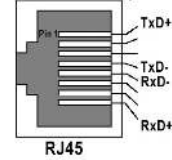
### Regulatory Approvals



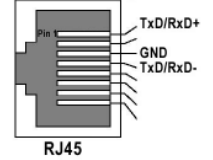
## PINOUTS



### RS-485 Full Duplex



### RS-485 Half Duplex



### 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

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### Email, FTP, and Web Support

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