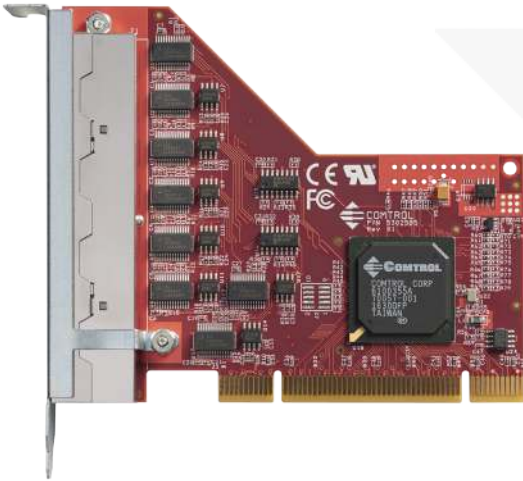




RocketPort® INFINITY 8J

Part Number: 30027-4



KEY FEATURES AND BENEFITS

- RJ11 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
- 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
- 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
- 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

PRODUCT DESCRIPTION

Control's RocketPort INFINITY 8J serial port expansion card provides eight “native” serial ports utilizing a single PCIe card slot and is compatible with all PCI Infinity 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. 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 Control 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.

ROCKETPORT



connect. communicate. control.

ROCKETPORT SPECIFICATIONS

HARDWARE

Maximum Cards/System
4

Bus Interface Specification

UNIVERSAL PCI PCI-X COMPATIBLE

Board Dimensions

4.7" x 4.0"

Product Weight (w/ cables)

3.2 oz

ELECTRICAL SPECIFICATIONS

Current Consumption

3.3 V or 426mA

Power Consumption (Max.)

1.4 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

4.8 BTU/Hr

Mean time between failures (MTBF)

61.7 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

RJ11

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

0.70 lb

Package Dimensions

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

UPC Code

7-56727-30027-4

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

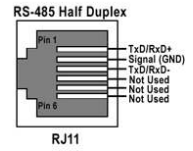
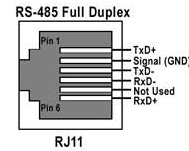
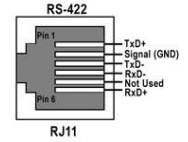
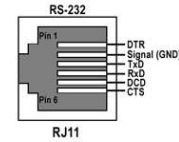
Other

RoHS2 Compliant

Regulatory Approvals



PINOUTS



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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