



RocketPort® Plus uPCI Octa RJ45

Part Number: 99429-9

ROCKETPORT

KEY FEATURES AND BENEFITS

- 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 additional 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
- Fan-out cable – provides cost-effective, compact, and flexible serial connections
- Transmit buffer 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/RJ45 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 RJ45 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 RoHS Directive 2002/95/EC.



ROCKETPORT SPECIFICATIONS

HARDWARE

Maximum Cards/System	4
Product Dimensions (wxh)	6.3" x 4.0"
Product Weight	12.9 oz
Bus Interface Specification	PCI PCI-X COMPATIBLE

ELECTRICAL SPECIFICATIONS

Current Consumption	+5V 270mA
Power Consumption	1.6 W
Surge Protection	25KV @200A for 1ns

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to 60°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	5.3 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	4
Bus Interface	3.3 or 5.0V PCI
Onboard Processor	44Mhz
Number of Interrupts Used	None or one
Supported Interfaces	RS-232
Baud Rates	300 to 921.6 Kbps
Receive Buffer	1,024 Bytes
Transmit Buffer	256 Bytes
Connector Type	RJ45 Female
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2
Flow Control	Hardware or Software

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

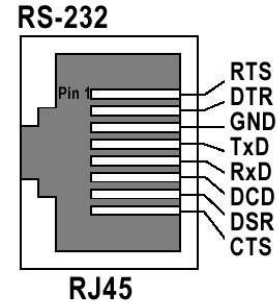
Emission
EN55022, Amendment A1
IEC1000-3-2/EN61000-3-2: Harmonic
IEC1000-3-3/EN61000-3-3: Flicker
ICES-003
CISPR-22
AS/NZS-3584

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

FEATURES

RoHS 2 compliant under CE
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

info@comtrol.com
ftp.comtrol.com
www.comtrol.com