RocketPort ® uPCI 16-Port

Part Number: 99355-1

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

• 16-port serial expansion utilizing a single PCI slot - delivers large scale serial port expansion

• Standard IT rackmount RJ45 and surge protected DB25 interfaces available - provides compatibility with existing rackmount equipment and harsh environments

• On-board dedicated 36MHz RISC processor - minimizes “host” CPU utilization

• RS-232 and RS-422 interfaces on each port - provides more options and enhanced compatibility

• 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

• RoHS2 compliant under CE

PRODUCT DESCRIPTION

RocketPort uPCI 16-Port serial expansion card is compatible with all current 3.3 and 5.0 Volt PCI bus architectures. It provides 16 “native” serial ports utilizing a single PCI card slot and an external serial interface module available sold separately that supports RS-232 or RS-422 serial communications at speeds up to 230 Kbps. Individual serial ports on the same interface module can be configured for either RS-232 or RS-422 communication. External interface modules with additional surge protection are also available.

RocketPort products are designed with larger transmit-and-receive buffers than those of a 16550 UART found in typical PC serial ports and low-end serial cards, enabling them to handle the transmission of large amounts of data reliably and efficiently. They also utilize an on-board 36MHz processor, minimizing host CPU utilization. RocketPort products do not require the assignment of interrupts, simplifying installation and eliminating conflicts with other server cards. Drivers are available for popular operating systems. The product is fully RoHS 2 compliant under CE.
ROCKETPORT SPECIFICATIONS

HARDWARE
Maximum Cards/System
4
Product Weight
0.26 lbs
Packaged Shipping Weight
1.09 lbs

ELECTRICAL SPECIFICATIONS
Surge Protection
15KV @200A for 1ns
Device Requirements
Depends on interface
Device Consumption
Depends on interface

ENVIRONMENTAL SPECIFICATIONS
Operating Temperature
0 to 45°C
Storage Temperature
-20 to 85°C
Operating Humidity
(Non-condensing) 29% to 80%
Altitude
0 to 10,000 Ft
Heat Output
30.32 BTU/Hr
Mean time between failures
22.8 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
Bus Interface
3.3 or 5.0 Volt PCI
Serial Interfaces
RS-232/RS-422
Baud Rates
300 to 230.4Kbps
Serial Connectors
Depends on interface
Data Bits
7 or 8
Parity
Odd, Even, None
Stop Bits
1 or 2
Flow Control
Hardware/Software

EXPORT INFORMATION
UPC Code
7-56727-99345-2
Packaged Shipping Weight
1.25 lbs
0.57 kg
Package Dimensions
10.25” x 2.6” x 7.5”
260.4 x 66 x 190.5 mm
ECCN
EAR99
Schedule B
8471.80.1000

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

Country of Origin
USA

REGULATORY APPROVALS

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

Sales Support
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