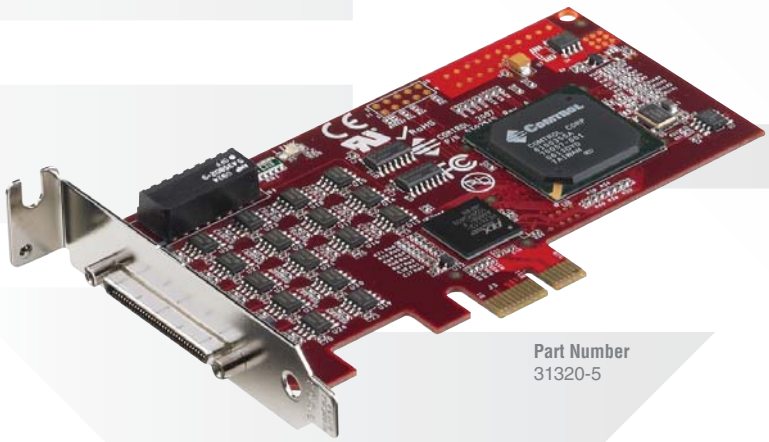
ROCKETPORT
MULTIPORT SERIAL CARDS ®
SMPTE

HIGHLIGHTS

- Provides eight SMPTE 207M expansion ports
- Supports multiple Comtrol SMPTE interface products for custom solutions
- DTE/DCE Selectable on each port
- PCI EXPRESS bus
- Robust operating system support
- Microsoft WHQL (Windows Hardware Quality Labs) compliant drivers
- Easy driver configuration



Part Number
31320-5

RocketPort EXPRESS 8-Port SMPTE Card

Flexible, reliable and high-speed multiport serial expansion

The RocketPort EXPRESS 8-Port SMPTE Card provides eight ports of in-server serial connectivity. It can be used in conjunction with the RocketPort EXPRESS SMPTE Octacable (31330-4), RocketPort EXPRESS 8-Port SMPTE Interface (31325-0) or the RocketPort EXPRESS 8-Port SMPTE Rackmount Interface (31315-5), providing a complete solution for all broadcast applications.

The RocketPort SMPTE Card provides the added flexibility to set the appropriate ports with the DIP switch to DCE or DTE RS-422 serial communications. It is designed for standard and low-profile PCs and servers.

The RocketPort EXPRESS 8-Port SMPTE Card provides the equipment interface portion of an overall broadcast system, allowing interconnection of programmable and nonprogrammable control and accessory equipment. It allows rapid reconfiguration of a system utilizing up to eight pieces of equipment.

The SMPTE (Society of Motion Picture and Television Engineers) connections comply with the ANSI/SMPTE 207M-1997 Television – Digital Control Interface – Electrical and Mechanical Characteristics Standard. The RocketPort SMPTE product family supports the SMPTE interface system used for the transfer of data and digital control signals. This system allows the connection of production, post-production and/or data transmission equipment, such as video routers, servers, tape decks, keyboards, dimmer racks, video monitors, headphones and broadcast mixing consoles. See back page for a network diagram.

COMTROL®

SPECIFICATIONS

HARDWARE

Board Dimensions	4.7" x 2.6"
Product Weight	3.9 oz

ELECTRICAL SPECIFICATIONS

Device

Current Consumption	
+3.3 VDC	700 mA
Power Consumption	2.4 W

ESD Surge Protection

Minimum of 15KV for all serial lines

ENVIRONMENTAL SPECIFICATIONS

Air Temperature	
System On	0° to +60° C
System Off	-20° to 85° C
Humidity (non-condensing)	5% to 95%
Altitude	0 to 10,000 Ft
Heat Output	8.2 BTU/Hr
MTBF (Mean Time Between Failures)	32.0 Years

SERIAL COMMUNICATIONS

Connector Type

N/A (Requires External Interface or Cable)

Supported Standards	SMPTE 207M
Baud Rate	300 to 921.6 Kbps
Receive Buffer	512 Bytes
Transmit Buffer	512 Bytes
Device Driver Data Control	
Data Bits	5, 6, 7, or 8
Parity	Odd, Even, or None
Stop Bits	1, 1.5, or 2

DEVICE DRIVERS

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)
FreeBSD 5
FreeBSD 6
QNX 6
SCO OpenServer 5
SCO OpenServer 6

EXPORT INFORMATION

Packaged Shipping Weight	0.85 lbs
Package Dimensions	9.19" x 7.25" x 2.5"
UPC Code	7-56727-31320-5
ECCN	EAR99
Schedule B Number	8471.80.1000

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: Dips and Voltage Variations

Safety

IEC 60950/EN60950
CSA C22.2 No. 60950/UL60950 Third Edition

Other

European Standard: 2002/95/EC Directive (RoHS)

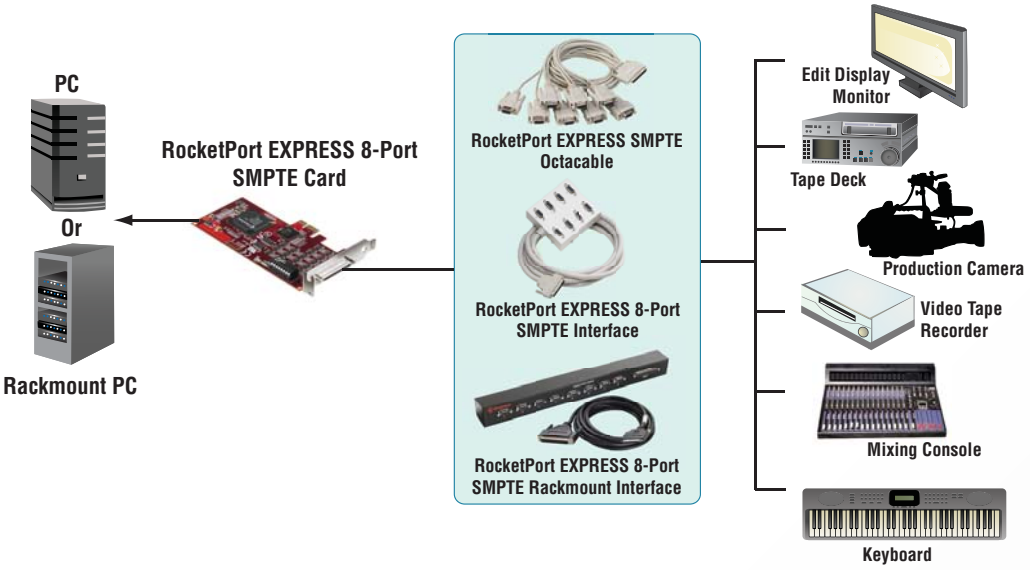
Regulatory Approvals

ORDERING INFORMATION

31320-5 RocketPort EXPRESS 8-Port SMPTE Card

INTERFACE OPTIONS

31330-4 RocketPort EXPRESS SMPTE Octacable
31325-0 RocketPort EXPRESS 8-Port SMPTE Interface
31315-1 RocketPort EXPRESS 8-Port SMPTE Rackmount Interface



PRODUCT SUPPORT & SERVICE INFORMATION

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

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