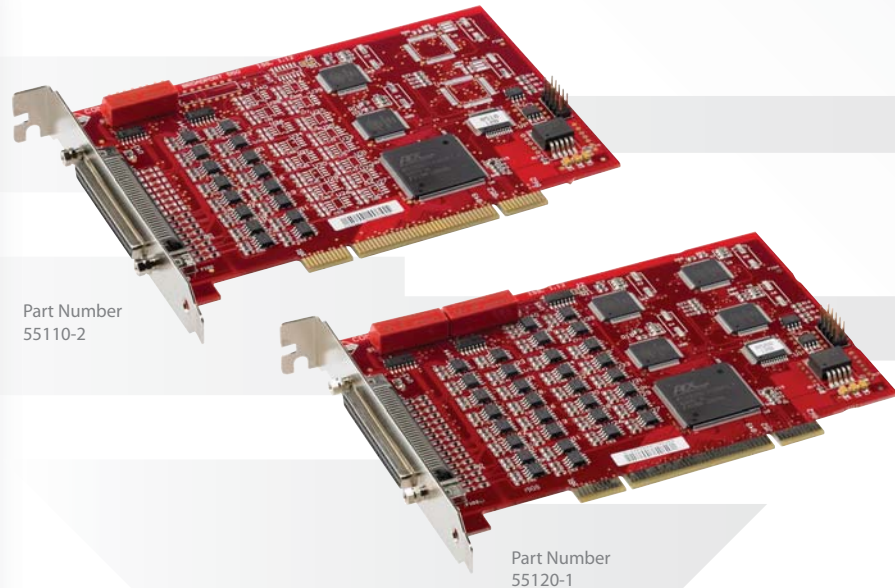


# Control

## BroadPort 550 Rackmount

### FEATURES & BENEFITS

- The only rack-mounted SMPTE multi-port serial product available
- Available with DB9 connectors from 8 or 16 ports
- DCE/DTE switch provides the flexibility to connect with virtually any SMPTE device with minimal cabling changes
- Easy installation; no jumpers or switch settings required
- High reliability
- Device driver support for Windows XP, 2000, Vista and Linux (Kernel 2.4.x)
- Universal PCI supports 3.3V or 5V PCI Bus architectures
- RoHS compliant



## Product Description

The BroadPort 550 uPCI card and interface, designed specifically for the broadcast industry, effectively monitors and controls a large number and type of serial-based peripherals in a broadcast studio.

Control is the only company that offers a rack-mounted multi-port serial product that's designed to Society of Motion Picture and Television Engineers (SMPTE) connectivity standards. With the introduction of the new BroadPort 550 products, Control expands its family of SMPTE products and increases its dominance in the broadcast industry.

The BroadPort 8- or 16-port uPCI card includes a DCE/DTE switch for maximum flexibility, has a 1U 19" rackmount interface and provides RS-422 connections via "Sony DB9" (SMPTE 207M) connectors. There is no need to add further adapters as with traditional products. A 16-port changeover unit allows rapid swapping of the peripherals from a duty server to standby server.

### BROADPORT 550 UPCI CARD

The universal PCI card (PCI and PCI-x) was developed from the popular RocketPort 550 and provides a low-cost serial expansion solution, delivering the highest performance and reliability through industry-standard 16550 UART technology. Each of the ports exceeds the speed requirements of the SMPTE 207M standard and can be set individually to DCE or DTE.

### BROADPORT 550 INTERFACE

The BroadPort 550 controller is connected to the 1U 19" passive rack interface via a SCSI cable (provided). The interface is ideal for where rack space is limited; it is only 50mm deep. DB9 female connectors allow easy attachment of broadcast standard peripherals.

## SPECIFICATIONS

### HARDWARE

- Number of Ports
  - 8-port 8
  - 16-port 16
- Maximum Cards/System up to 4
- Hardware interrupts Each card requires on system IRQ
- Bus Interface Specifications Universal PCI
- Broad Dimensions 6" x 4"
- Product Weight 11.3 oz

### ELECTRICAL SPECIFICATIONS

- Current Consumption (+5VDC)
  - 8-port 250mA
  - 16-port 330mA
- Power Consumption (max)
  - 8-port 1.25 W
  - 16-port 1.7 W
- ESD Surge Protection (min) 15KV

### ENVIRONMENTAL SPECIFICATIONS

- Air Temperature
  - System On 0 to 40°C
  - System Off -20 to 85°C
- Operating Humidity (Non-condensing)
  - System On 8 to 80%
  - System Off 20 to 80%
- Altitude 0 to 10,000 Feet
- Heat Output
  - 8-port 4.81 BTU/Hr
  - 16-port 5.7 BTU/Hr
- MTBF Greater than 30 years

### SERIAL COMMUNICATIONS

- Supported Standards RS-422, SMTPE
- Baud Rate 50 to 230.4Kbps
- Receive Buffer 128 Bytes
- Transmit Buffer 128 Bytes

### DEVICE DRIVER DATA CONTROL

- Data Bits 5, 6, 7 or 8
- Parity odd, even, none, mark or space
- Stop Bits 1, 1.5 or 2

### EXPORT INFORMATION

- Packaged Shipping Weight 1.14lb
- Package Dimensions 9.5" x 8" x 3.25"
- UPC Code
  - 8-port 7-56727-55110-2
  - 16-port 7-56727-55120-1
- ECCN EAR99
- Schedule B Number 8471.80.1000

### DEVICE DRIVERS

- Linux
- Microsoft® Windows NT
- Microsoft® Windows Vista™
- Microsoft® Windows® 2000
- Microsoft® Windows® XP

### REGULATORY STANDARDS

- Emission:
  - IEC 61326-1/ EN61326 Emissions standard for electrical equipment for measurement, control and laboratory use
  - EN55022 Class B Emissions Standard for domestic and light industrial environments
  - EN55011 Class B Emissions Standard for ISM Light Industrial
  - CISPR-22
  - FCC Part 15 Subpart B Class B limit
- Immunity:
  - BS EN61326 Immunity standard for electrical equipment for measurement, control and laboratory use
  - IEC 1000-4-2/ EN61000-4-2 ESD Requirements
  - IEC 1000-4-3/ EN61000-4-3 Radiated Susceptibility
  - IEC 1000-4-4/ EN61000-4-4 Electrical Fast Transient Burst Requirement
  - IEC 1000-4-5/ EN61000-4-5 Surges Requirements
  - IEC 1000-4-6/ EN61000-4-6 Conducted Susceptibility
  - IEC 1000-4-11/ EN61000-4-11 Voltage Dips and Interruptions
- Other
  - European Standard: 2002/95/EC Directive (RoHS)

### REGULATORY APPROVAL MARKS

- RoHS 2002/95/EC
- CE
- FCC
- C-Tick



### ORDERING INFORMATION

55110-2 BroadPort 550 8-port  
55120-1 BroadPort 550 16-port  
55130-0 BroadPort 550 8-port Interface  
55140-9 BroadPort 550 16-port Interface

### PRODUCT SUPPORT & SERVICE INFORMATION

Warranty Information  
Control offers a 30-day satisfaction guarantee and 2-year limited warranty.

Sales Support  
+1.763.494.4100  
sales@comtrol.com

Technical Support  
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