



SERIAL NETWORKING BREAKTHROUGH FOR BROADCAST VIDEO INTEGRATION

TV stations often face the dilemma of how to best link their broadcast studio to their other locations.

WKRC - TV in Cincinnati, Ohio, was attempting to connect a number of different devices - including their "city view" camera located on the top of their building - to a control station in the basement of the building. They were also trying to send weather alerts to serial printers in various locations, and wanted to connect their "Live Studio" to their remote office more than two miles away.

After extensive research, they determined that the best solution was Serial Tunneling. Serial Tunneling is the "VPN of the Serial World." Virtual Private Networking (VPN) technology allows users to create their own secure networks inside the Internet. Control has applied the VPN concept for connecting two serial devices over Ethernet, where Control's DeviceMaster® RTS device server acts as the intermediary. A printer is connected to the DeviceMaster, which in turn is connected to the Ethernet network. The Serial Tunnel is then created over Ethernet to another DeviceMaster unit and is attached to a serial device. Because the solution uses Ethernet and the Internet, serial devices can be located in separate rooms - or on separate continents.

"The DeviceMaster is a mission critical component that has proven to be very stable," said Mike Willis, Technical Supervisor at WKRC - TV.

The station proves that with the right technology and proper setup, it is easy to create a useful network between two locations. WKRC - TV found a way to speed up their connection between offices, without expensive replacement of legacy systems. They can now hook up peripherals such as:

- Weather Printers
- Closed-Caption Televisions
- Traffic Cameras
- Data Printers
- Television Cameras
- Fountains Cameras
- Live Broadcast Switches



The DeviceMaster RTS is Control's solution for connecting serial devices and running applications that can benefit from "real-time" performance.

Using Control's developer kit, the DeviceMaster RTS can also be programmed to perform a wide variety of local processing tasks. DeviceMaster servers are available in one-port models for single device tunneling applications, and higher-density models from two to 32 ports, which can connect multiple serial devices using a single Ethernet connection.

Mike Willis says, "The DeviceMaster provides flexibility to our offices we never had before, and it has saved us thousands of dollars." In broadcasting, it is important to have data at your fingertips. In order to do this, there must be a solid connection between your computer hardware and peripherals. By having the correct pieces in place, you create an edge over your competition.

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DeviceMaster® RTS 16-Port RJ45

Part Number: 99450-3



KEY FEATURES AND BENEFITS

- No serial cable distance limitations enables communication between a host PC and serial devices located anywhere across an Ethernet network
- RS-232/422/485 software selectable
- Application compatibility supports native COM, TTY, or TCP/IP socket communication modes
- Built-in two-port 10/100 Ethernet switch simplifies network connection
- Web-based configuration makes setup and management changes quick and easy
- Real-time e-mail event notification alerts administrator of potential connection and security issues
- Wide operating temperature of -20° to 60°C
- 1U rack mount housing provides compatibility with existing IT equipment
- PortVision® DX remote monitoring and management software
- Software developer kit available for users interested in writing custom applications to run on the DeviceMaster platform
- SSL & SSH management, SSL serial data stream encryption
- RoHS2 compliant under CE
- IPV6 support

PRODUCT DESCRIPTION

The Control DeviceMaster RTS 16-Port RJ45 is a 16-port device server designed for network-enabling serial communications devices. When used with the included NSLink™ driver software and a host PC, the DeviceMaster RTS enables placement of COM or TTY ports anywhere on an Ethernet network or across

the Internet. In applications where connecting legacy serial devices to a PC without software changes is a requirement, a pair of DeviceMaster RTS units can be used to create a point-to-point serial tunnel across the network that seamlessly transfers serial data via TCP or UDP socket connections.



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

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