

TRAFFIC GRID CONTROL FOR THE CITY OF CHANDLER, ARIZONA

The City of Chandler in Arizona was able to solve a number of traffic control needs they were facing with the DeviceMaster RTS.

City planners required a device that could withstand the 160°F temperatures that traffic cabinets reached. The product also had to work with their quickly expanding city while making it easy to plan future intersections. The DeviceMaster RTS met all of these requirements, enabling visibility and control of intersections and traffic devices.

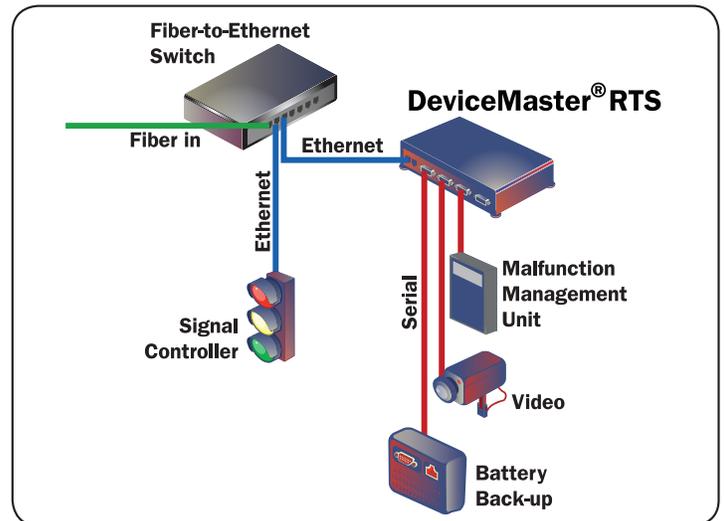
The DeviceMaster connects RS-232/422/485 serial devices to an Ethernet network. Traffic managers can communicate with and control intersections in real-time via the connection provided by the DeviceMaster. It gives complete visibility to managers so they can make decisions based on feedback from observing traffic. Chandler traffic engineers use the DeviceMaster to control devices like the Pan Tilt Zoom (PTZ) cameras, change the signal timing for road construction, manage short-term maintenance needs, and even control demands for special events or accidents.

The DeviceMaster RTS was chosen for these key features:

- Wide operating temperature range (-37°C to 74°C)
- Environmentally hardened form-factor
- Extremely reliable and easy-to-use
- Provides real-time communication
- Cost-effective way to network-enable legacy devices

Chandler's traffic management team reported that during the initial limited deployment of the device there was never a failure. After being compared and tested to competitor products the DeviceMaster was proven superior. Now with full deployment, the DeviceMaster network is still failure-free after six years.

Ben McCawley, traffic systems analyst and chief architect in Chandler, is able to remotely configure, manage, and monitor the traffic intersections via Control's PortVision® Plus that is included with the DeviceMaster products. The feature-rich software allows users to manage the DeviceMasters and track connected devices. PortVision's features have allowed McCawley to label each communication port with the intersection name for quick reference. The DeviceMaster RTS now gives him real-time visibility and diagnosis of any event. Currently McCawley is using 65 units and PortVision Plus software in a traffic grid of over 190 intersections and plans on adding more units.



"Control PortVision® and DeviceMaster are easy-to-use, give me real-time control of my traffic devices, and I've never had a DeviceMaster fail," said McCawley.

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DeviceMaster® RTS 8-Port DB9

Part Number: 99448-0



KEY FEATURES AND BENEFITS

- No serial cable distance limitations enables communication between a host PC and serial devices located anywhere across an Ethernet network
- Software selectable RS-232/422/485 serial interfaces
- Supports native COM, TTY, or TCP/IP Socket communication modes
- 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
- Temperature rated for extreme conditions (-37° to 74°C)
- Rugged stainless steel housing enables DIN rail or panel-mounting
- PortVision® monitoring and management software automatically monitors devices on the network and enables user to view status, update firmware and resolve issues remotely
- NEMA TS2 Certified

PRODUCT DESCRIPTION

The Control DeviceMaster RTS 8-Port DB9 is an eight-port device server designed for network-enabling serial communications devices. When used with the included NS-Link™ 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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