



TRANSPORTATION NETWORK NTCIP DEVICE COMPLIANCE

Control's DeviceMaster® device servers and RocketLinX™ Industrial Ethernet switches enable interoperability of transportation control system devices compliant with NTCIP standards while providing essential real-time control between traffic management centers and those devices.

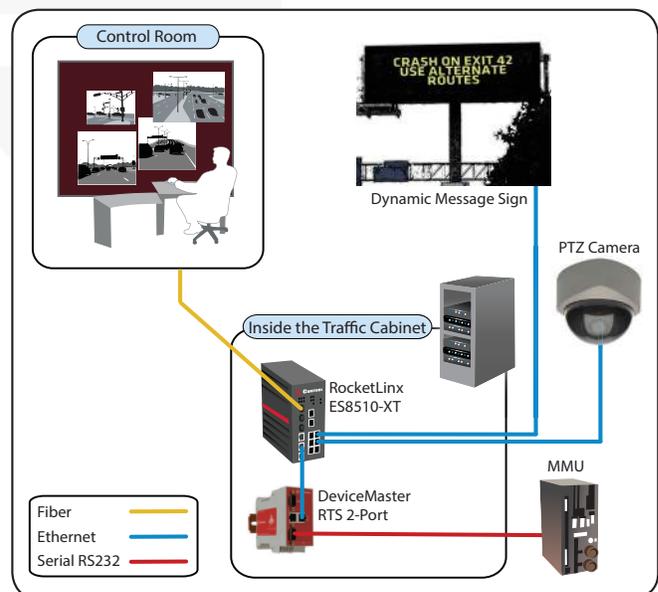
In order for a complete traffic control system to effectively operate using different manufacturers' devices within the same system, the devices must be able to communicate through set communication standards. In 1996, the United States Federal Government deployed the National Transportation Communications for Intelligent Transportation Systems Protocol, (NTCIP) establishing standard protocols necessary to allow traffic control equipment from different manufacturers to operate with each other without complications. The transportation industry enabled traffic control system manufacturers to produce devices, equipment and applications compliant with NTCIP requirements that can "mix and match" with products made by a variety of other manufacturers.

The traffic management center (TMC) of a traffic control system is responsible for managing traffic flow. Traffic control devices such as vehicle detection sensors, ramp/access control meters, radars, PTZ cameras, land control signs and variable message signs, provide vital information to traffic management centers enabling TMC operators to make changes in real-time to better manage the roadways.

Control's DeviceMaster® serial-to-Ethernet device servers and RocketLinX™ Industrial Ethernet switches enable superior communication between NTCIP-compliant devices within a traffic control system without disrupting network structure or device configuration. A variety of models are available, providing from one- to thirty-two- port configurations.

The DeviceMaster® RTS family of device servers enables browser-based remote port/device monitoring and configuration, and provides an application software platform for local processing. The DeviceMaster® RTS supports RS-232/422/485 serial protocols and native COM, TTY, or TCP/IP socket communications. Control's PortVision® feature-rich software that is included with DeviceMaster® products allows users to manage the servers and track connected devices in transportation applications. The network-attached solid-state embedded DeviceMaster® RTS delivers exceptional price, performance and reliability.

Control's RocketLinX™ family of Industrial Ethernet and Power over Ethernet switches are designed to meet the performance and environmental demands for applications requiring extended operating temperatures, rugged housings and high performance and reliability such as: traffic and transportation, power utility, security and surveillance monitoring, industrial automation, and hospitality and peripheral communications. With both managed and unmanaged models available, the RocketLinX™ ES series of switches provide cost-effective networking solutions delivering the industry's best Ethernet switch technologies.



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DEVICEMASTER FAMILY PRODUCTS

The DeviceMaster® family of serial to Ethernet device servers enable superior device networking capabilities. Connect RS-232/422/485 serial devices to the network with DeviceMaster using your existing software applications. Supports native COM, TTY, or TCP/IP socket communications. Comtrol's DeviceMaster products feature enhanced security offering SSL & SSH management and SSL serial data stream encryption. DeviceMaster, offers the industry's most extensive selection of products for network-enabling serial devices. Ranging from 1-port models that provide single-device networking to 32-port models that offer high-density connections for specialized applications. The standard 1, 2, 4, and 8 port DeviceMaster RTS and PRO products are also NEMA TS2 compliant, withstanding temperatures ranging from -34° to 74° degrees Celsius, at no additional cost. The DeviceMaster has been ruggedized to handle extreme temperatures, operating voltage and humidity fluctuation, vibration and shock commonly experienced in severe outdoor environments.

DeviceMaster Ethernet Device Server Families:

DeviceMaster RTS	Network-attached solid-state embedded device servers
DeviceMaster Serial Hub	Serial port expansion supporting Linux and Microsoft® Windows® environments
DeviceMaster PRO	Designed for network-enabling serial communications devices by serial tunneling
DeviceMaster UP	Provides EtherNet/IP, Modbus/TCP, Modbus RTU/ASCII, and PROFINET connectivity
DeviceMaster FreeWire	Providing flexibility for configuration changes or absence of cable use

ROCKETLINX FAMILY PRODUCTS

The Comtrol RocketLinx series of industrial Ethernet switches are designed to meet the performance and environmental demands for applications requiring extended operating temperatures, rugged housings, high performance and reliability. The Comtrol RocketLinx series of PoE industrial Ethernet switches are designed to meet the performance and environmental demands for applications requiring extended operating temperatures, rugged design, and reliable power delivery to standard and high power devices. With both managed and unmanaged models available, the RocketLinx switch series provides cost-effective networking solutions delivering the industry's best Ethernet switch technologies.

Industrial Ethernet switch products:

RocketLinx ES8105	5-port Fast Ethernet switch
RocketLinx ES8105F	4 10/100-TX ports and 1 fiber Fast Ethernet port
RocketLinx ES8108	8-port Fast Ethernet switch
RocketLinx ES8108F	6 10/100-TX ports and 2 fiber fast Ethernet ports
RocketLinx ES8509-XT	4 10/100/1000-TX RJ45 ports and 5 Gigabit combo ports
RocketLinx ES8510	7 10/100-TX ports and 3 Gigabit combo ports
RocketLinx ES8510-XT	7 10/100-TX ports and 3 Gigabit combo ports, extended temperature
RocketLinx ES8510-XTE	7 10/100BASE-TX ports and 3 Ethernet combo ports, extended temperature
RocketLinx ES9528	24 10/100BASE-TX ports and 4 Gigabit RJ45/GBIC combo ports

PoE and PoE Plus industrial Ethernet switch products:

RocketLinx ES7105	5-port unmanaged PoE switch
RocketLinx ES7110	10-port unmanaged PoE IEEE 802.3af switch
RocketLinx ES7506	6-port managed high-power PoE switch
RocketLinx ES7510	10-port gigabit managed PoE Plus switch
RocketLinx ES7528	5 28-port PoE Plus IEEE 802.3af and 802.3at managed rackmount switch



Warranty Information

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

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