

## TRANSIT SURVEILLANCE POWERED BY PoE

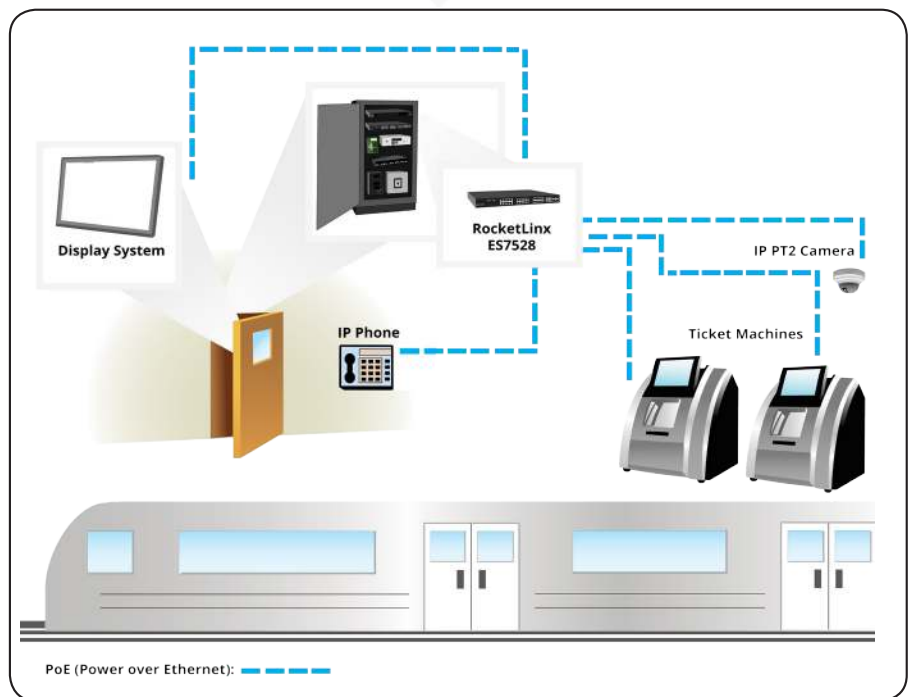
Throughout North America we've experienced the expansion of mass transit as a growing form of transportation not only for commuters, but the general public alike. With the growing number of riders utilizing these buses, trains, and light rails each day it is crucial to ensure quality system performance throughout all areas of these platforms. From ticketing machines and route displays to the surveillance of all public areas, it is critical to ensure the continuous operation and security of each platform along the way.

Having previously used Comtrol's products in their traction power substation, a public transportation company located on the West Coast of the United States looked to Comtrol when they began building an additional line for their light rail. With the addition of this light rail line, the company chose to use Comtrol's RocketLinx ES7528 to provide connectivity to the various IP cameras, IP phones, ticketing machines, and transit displays located along the platform.

The RocketLinx is a PoE (Power over Ethernet) switch that provides the power to the IP cameras, IP phones, ticketing machines, and transit displays. In addition, it allows for network efficiency, wireless access points, easy placement, and efficiency and cost effectiveness in the installation process.

The RocketLinx provides 24 10/100BASE-TX, 4 Gigabit uplink/4 SFP ports which support both 15.4W IEEE 802.3af and 30W high power IEEE 802.3at, including 2-event and LLDP classification. In addition, the RocketLinx has flexible bandwidth and long distance fiber data transmission via SFP transceivers.

Built for industrial use, the RocketLinx ES7528 contains a rugged aluminum case which is superior for heat dispersal. In addition to properly functioning in temperatures ranging from -25°C to 65°C, the RocketLinx is able to withstand the vibrations expected at a light rail station. Together with the longevity, reliability, and temperature variations, the RocketLinx ES7528 provides the optimal solution for the light rail line.



# RocketLinx® ES7528

Part Number: 32040-1



## KEY FEATURES AND BENEFITS

- 24 10/100BASE-TX, four Gigabit uplink/four SFP ports
- 24-ports support both 15.4W IEEE 802.3af and 30W high power IEEE 802.3at, including 2-event and LLDP classification
- IEEE 802.3at and IEEE 802.3af with max. 30W per port
- LLDP for reliable PoE connection through Active Powered Device status detection and auto reset function
- Total PoE power budget of up to 720 watts
- Flexible-bandwidth and long-distance fiber data transmission via SFP transceivers
- 12.8G Non-Blocking backplane and 16K MAC table
- IEEE 1588 PTP compliance for precise time synchronization
- Advanced Redundant ring capabilities for aggregating up to 12 x 100Mb rings plus 2 Gigabit rings
- Supports up to 9,216 bytes Jumbo Frame for large file transmission
- Optimized IGMP Query v1/v2 and IGMP Snooping v1/v2/v3 for advanced multicast filtering
- Supports up to 255 VLANs for traffic isolation
- Advanced network management features including SNMP
- Supports DHCP client/server and DHCP Option 82 for automatic IP configuration

## PRODUCT DESCRIPTION

The RocketLinx ES7528 is a fully 802.3at compliant PoE Plus rack mount switch that features 24 10/100BASE-TX Ethernet ports and four Gigabit Uplink/SFP Combo ports. This switch is designed for highly critical PoE applications such as real time IP video surveillance and wireless communications systems.

All of the fast Ethernet PoE injector ports can deliver 15.4W by IEEE 802.3af or 30W by the latest high power PoE IEEE 802.3at standard. This flexibility makes the ES7528 the perfect solution for upgrading existing video network infrastructures to a powerful IP video surveillance network.

The 4 Gigabit Ethernet ports provide high speed uplinks to higher level backbone switches while advanced ring technology enables the ES7528 to aggregate up to 12 fast Ethernet rings and two gigabit rings providing high quality data transmission with less than 5ms network recovery time. To ensure traffic switching without data loss and blocking, the ES7528 provides a 12.8G backplane with integrated non-blocking switching function.

With advanced Layer2 management features including IGMP Query/Snooping, DHCP, 255 VLAN, QoS, LACP, LPLD, and 24 PoE Plus ports, the RocketLinx ES7528 stands out from other PoE switches as the optimal solution for high density PoE and video surveillance applications.



### Warranty Information

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

### Sales Support

+1.763.957.6000  
sales@comtrol.com

### Technical Support

+1.763.957.6000  
www.comtrol.com/support

### Email, FTP, and Web Support

info@comtrol.com  
ftp.comtrol.com  
www.comtrol.com