



VOLTAGE BOOST TECHNOLOGY FOR MOBILE SURVEILLANCE

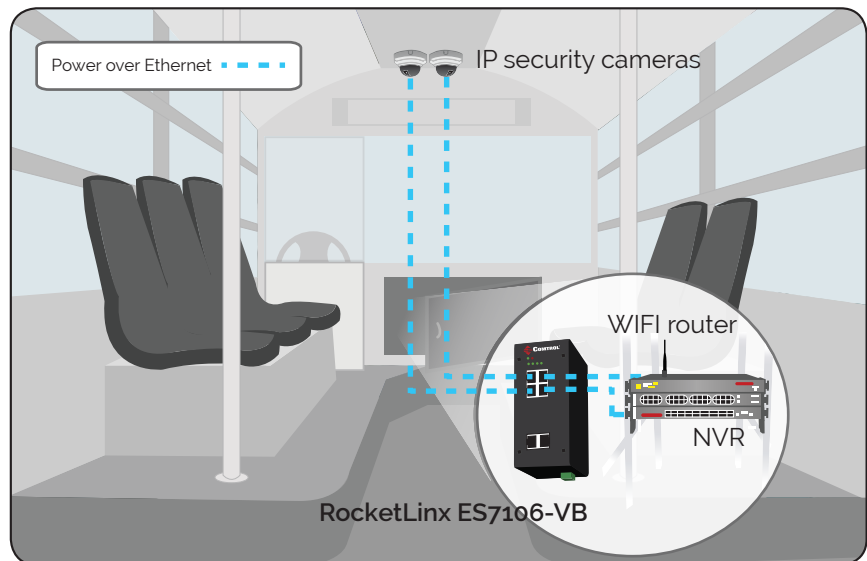
With the prevalence of crime in America's cities, it is essential that measures be taken for the safety of those who operate and use law enforcement vehicles or public transportation.

Mobile surveillance companies are helping to take these measures through manufacturing surveillance equipment that can be installed and operated in vehicles. However, a vehicle's battery does not supply the higher voltage level required to support this surveillance equipment.

One major mobile surveillance company turned to Control for a solution for this issue, and Control recommended the RocketLinx® ES7106-VB. The RocketLinx ES7106-VB is an industrial Power over Ethernet (PoE) switch that includes Voltage Boost (VB) technology to supply power to equipment within a vehicle while continuing to receive and transfer data from the connected devices. The switch is powered by the vehicle's battery and the VB technology allows it to "boost" power up to 48V to the other devices on board, such as IP cameras, WIFI routers, and Network Video Recorders (NVRs) via Ethernet. This two-in-one product was designed with precisely this application in mind, and the ability for the ES7106-VB to both power and connect to the devices within a vehicle was the determining feature for this mobile surveillance company's decision.

The RocketLinx ES7106-VB is a rugged, plug-and-play industrial PoE switch that can operate in a wide variety of environments. It can operate efficiently in temperatures ranging from -25°C to +60°C. Additionally, it is protected by IP30 industrial-grade aluminum housing to prevent any water or dust damage. Control's RocketLinx line of products is a staple of our dedication to durability and efficiency; the RocketLinx ES7106-VB is a perfect example of these qualities.

Control's RocketLinx Power over Ethernet Switches are engineered for industrial, security, and transportation applications such as IP video surveillance and intersection monitoring, where the power source is not conveniently located. With rugged, drip-proof housings, redundant power inputs and performance command-line interfaces, these Power over Ethernet switches provide reliable networking solutions.



continued on back

RocketLinx® ES7106-VB

Part Number: 32047-0 Voltage Boost



KEY FEATURES AND BENEFITS

- 6-Port industrial PoE unmanaged switch
- Voltage boost technology supporting 12/24VDC power sources for transportation, security and industrial applications
- Four 10/100BASE-TX PoE ports and two 10/100/1000BASE-TX uplink ports
- Plug-and-play rugged PoE switch
- IEEE 802.3af compliant PoE with total output power budget of 65W (15.4W maximum on each port)
- Two Gigabit uplink ports supporting high bandwidth application such as IP surveillance
- QoS support for optimizing video and VoIP stream
- Extended operating temperature range (-25°C to +60°C)
- Alarm relay for failure and event notification
- Industrial-grade aluminum IP30 housing
- DIN rail installation
- RoHS2 compliant under CE
- UL listed

PRODUCT DESCRIPTION

The RocketLinx ES7106-VB is an IEEE 802.3af compliant PoE switch designed for connecting a wide range of industrial PoE equipment such as IP surveillance cameras, wireless access points, point-of-sale systems, and other devices utilizing 12/24V vehicle power sources or 24V standard industrial power.

The RocketLinx ES7106-VB is equipped with four 10/100BASE-TX PoE injector ports, with each port delivering power up to 15.4W, and two 10/100/1000BASE-TX (Gigabit) Ethernet uplink ports for transferring data to the network. The ES7106-VB supports QoS, which ensures high quality video traffic transmission by adjusting the data transfer priority.

The ES7106-VB features convenient wiring with a standard 4-pin industrial terminal block for power input and a fault relay alarm contact output. Additionally, each Ethernet port has a Port Link Alarm, which can be configured to automatically trigger on connection issues, warning administrators of abnormal operating conditions and ensuring quick resolution to network issues.

In addition to advanced PoE and networking capabilities, the ES7106-VB is designed for industrial applications and deployment in harsh conditions. With an IP30 rigid aluminum housing and extended operating temperature range, consistent operation is ensured in environments such as mass transit vehicles, factories, and outdoor settings.



Warranty Information

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

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