



GATE IMPROVEMENT FOR PARKING AUTOMATION

With extensive growth of automobile travel in the United States, the efficiency and reliability of parking automation is critical.

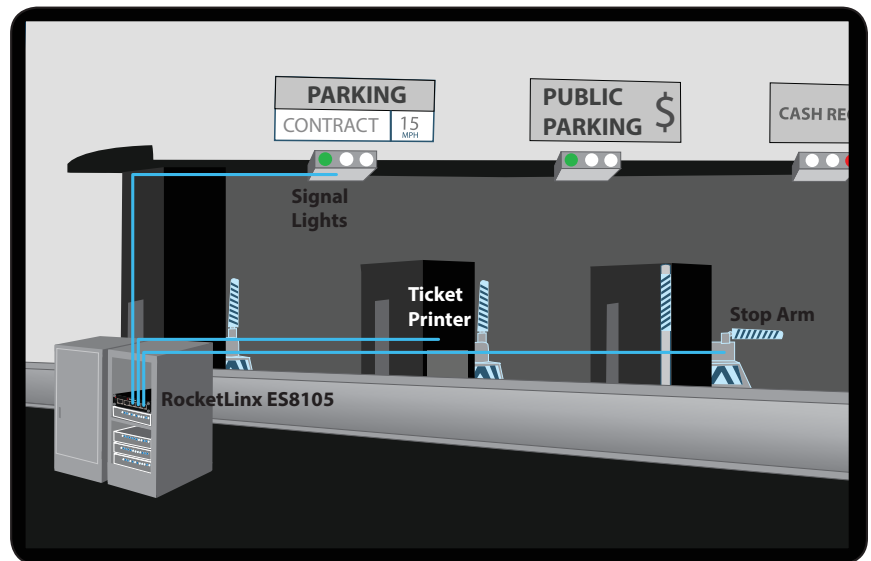
It is necessary for customers to experience a streamlined and intuitive process when entering and exiting parking areas. The efforts to create this experience involve multiple components and processes; the gate arm, card reader, ticket printer, sensors, and fee calculator must be able to seamlessly communicate in order for a parking gate to work properly.

One company that has been on the forefront of innovation in the parking automation industry in the United States has been using Control's DeviceMaster® RTS 1-Port Serial-to-Ethernet gateway for an extensive period of time, and to great effect. However, this company has recently decided to upgrade their parking automation systems using Ethernet communication. As a result, the DeviceMaster RTS products must be replaced with industrial Ethernet switches.

Control proposed that the company use the RocketLinx® ES8105 to establish communication between all required devices (see diagram below). The ES8105 is an unmanaged Ethernet switch that requires no user setup and immediately starts operating as soon as power is applied – for true “plug-and-play” operation. The RocketLinx ES8105 is a rugged device and has the ability to operate in a wide temperature range, from -25°C to + 70°C. The company was thoroughly impressed with the straightforward set-up and performance of the ES8105, stating that it had the best response times comparing to competitive products. As a result, the company decided to standardize the RocketLinx ES8105 for deployment in its new parking automation design.

The RocketLinx ES8105 is a compact 5-port Fast Ethernet industrial switch featuring a 3.2Gbps switch fabric with Store and Forward technology, and housed in a slim industrial enclosure to save rail or panel space in compact system designs. For ease-of-maintenance, the RocketLinx ES8105 has one alarm relay that is controlled by a DIP switch to assist engineers with on-site notifications in the case of link-down events.

With the 1.5KV Hi-Pot isolation protection, CE/FCC/UL regulatory approvals, high MTBF, a 5-year warranty, and rugged aluminum design, the RocketLinx ES8105 is the ideal switch solution for industrial and transportation applications.



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RocketLinx® ES8105

Part Number: 32025-8



KEY FEATURES AND BENEFITS

- Compact industrial Fast Ethernet switch
- Five - 10/100BASE-TX ports
- 3.2Gbps Switch Fabric
- AC or DC power input (18 to 32VDC or 18 to 27VAC)
- DIN rail or wall-mount installation
- -25° to +70° C extended operating temperature for extreme environments
- Alarm relay output for port event notifications
- Aluminum metal case with IP31 grade protection for drip-proof and dustproof protection
- Supports 1.5KV Hi-Pot isolation protection
- Plug-and-play
- RoHS2 compliant under CE
- UL listed

PRODUCT DESCRIPTION

The RocketLinx ES8105 is a compact 5-port Fast Ethernet industrial switch featuring a 3.2Gbps switch fabric with Store and Forward technology, and housed in a slim industrial enclosure to save rail or panel space in compact system designs.

For installation in hazardous or industrial environments, the RocketLinx ES8105 features an extended operating temperature range (-25° to 70° C) and provides IP31 protection to guard against dust and water.

The ES8105 is an unmanaged switch that requires no user setup and immediately starts operating as soon as power is applied for true “plug-and-play” operation. The RocketLinx ES8105 supports 18

to 27VAC or 18 to 32VDC power inputs and provides built-in reverse power polarity protection.

For ease-of-maintenance, the RocketLinx ES8105 has one alarm relay that is controlled by a DIP switch to assist engineers with on-site notifications in the case of link-down events.

RocketLinx Reliability

With the 1.5KV Hi-Pot isolation protection, CE/FCC/UL regulatory approvals, high MTBF, a 5-year warranty, and rugged aluminum design, the RocketLinx ES8105 is the ideal switch solution for industrial and hazardous environments.



Warranty Information

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

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