



## RocketLinx® ES7105

Part Number: 32045-6



### KEY FEATURES AND BENEFITS

- Perfect solution for powering IP camera and wireless access points
- Four 10/100BASE-TX ports with embedded PoE injector and one 10/100BASE-TX uplink port
- 15.4W full power delivery per port
- Relay alarm for port failure
- Terminal block power input for industrial applications
- Standard DC power jack input for external power adapter
- End-point PoE architecture
- DIN rail, wall mount and desktop installation options
- Rugged aluminum enclosure with IP31 grade protection
- Wide operating temperature range (-20° to 70°C)
- RoHS2 compliant under CE
- Plug and play compact switch

PoE SWITCH

### PRODUCT DESCRIPTION

Control's RocketLinx ES7105 is an IEEE 802.3af compliant PoE switch designed for a wide range of industrial PoE applications such as IP surveillance cameras, wireless access point, VoIP phone set, POS system, industrial sensors, controllers and security card readers, where a power source is not conveniently located.

The RocketLinx ES7105 is equipped with 4 PoE injector switch ports, with each port delivering power up to 15.4 watts, and one 10/100BASE-TX uplink port transferring data to the central network. The RocketLinx ES7105 is compliant with the IEEE 802.3af Power over Ethernet (PoE) standard for delivering power and data to remote network devices.

The ES7105 features convenient wiring with a standard industrial terminal block for the power and relay alarm contact output to alert of any port break or power failure. It also provides a DC jack for a traditional AC/DC power adapter.

The IP31 rigid aluminum housing and wide operating temperature range ensure reliable operation in places such as mass transit vehicles or outdoor settings.



connect. communicate. control.

# ROCKETLINX SPECIFICATIONS

## HARDWARE

### Bus Interface Specification

10/100BASE-TX

### Enclosure

IP31 Grade Aluminum Metal Case, Drop-Waterproof and Dustproof

### Installation Method

Panel Mount or DIN rail mount

### LED Indicators

Power, Power 1, Power 2, Port Link/Activity Alarm, PoE Status

### Dimensions

5.6" x 1.45" x 4.4"  
14.22 x 3.68 x 11.18 cm

### Product Weight

0.90 lbs  
0.41 kg

## TECHNOLOGY

### Standards

IEEE 802.3 10BASE-TX  
IEEE 802.3u 100BASE-TX  
IEEE 802.3af Power Over Ethernet(PoE)

### Flow Control

IEEE 802.3x Flow Control and Back-Pressure

## PERFORMANCE

### Switch Technology

3.2Gbps wire-speed non-blocking Switch Fabric  
Store and Forward Switch Technology

### Aggregate System Throughput

1.49Mpps

### Number of MAC Address

1K

### Packet Buffer Memory

512Kbits

### Transfer Packet Size

64 - 1522 Bytes

## POE FEATURES

### Standards

IEEE 802.3af Power Over Ethernet (PoE)

### Number of PoE Injector Ports

4

### Maximum Output Power/ PoE Port (Max.)

15.4W @ VIN = 48VDC (IEEE 802.3af mode)

### Total PoE Power Budget

61.6-Watts

### Standard PoE Voltage Output

Yes. IEEE 802.3af compliant 44-57VDC

## ETHERNET INTERFACE SPECIFICATION

### Connector Type

RJ45

### Number of Ports

4 x 10/100BASE-TX (PoE Ports)  
1 x 10/100BASE-TX (Uplink Port)

### Auto-MD/MDIX

Yes

### Auto-Negotiation

Yes

### PoE Port Pin Assignment

TX (3, 6)  
RX (1, 2)  
V+ (4,5)  
V- (7,8)

### PoE Mode

Alternate B

### Ethernet Cable Type

10BASE-T - Cat 3/4/5/5e/6, 100BASE-TX - Cat 5/5e/6

### Link Distance

100 Meters

### Port Alarm Relay

Yes. Failure notification for each port (Enabled/disabled via DIP Switch)

### Relay Rating

1A Max. @ 24VDC

## ELECTRICAL SPECIFICATIONS

### Device

DC Input Voltage  
48VDC  
Power Consumption without PD Load  
7-Watts  
Power Consumption (with PD Load)  
70-Watts

### Power Connector

2

### Power Connector Type

(1) 6-Pin Screw Terminal Block, (1) DC Jack

### Power Input Redundancy

Dual Redundant Independent Power Inputs

### Reverse Polarity Protection

Yes

### Power Alarm Relay

Alarm for power failure notification (Enabled/disabled via DIP Switch)

### Relay Rating

1A Max. @ 24VDC

## ENVIRONMENTAL SPECIFICATIONS

### Air temperature

System On  
-20 to 70° C  
System Off  
-40 to 80° C

### Operating Humidity (non-condensing)

0% to 95%

### Storage Humidity (non-condensing)

0% to 95%

### MTBF (Mean Time Between Failures)

59.11 Years

## EXPORT INFORMATION

### Packaged Shipping Weight

1.3 lbs  
0.59 kg

### Package Dimensions

8.6" x 2.5" x 7.6"  
21.84 x 6.35 x 19.30 cm

### UPC Code

7-56727-32045-6

### ECCN

5A991

### Schedule B Number

8517.62.0050

## REGULATORY APPROVALS

### Emissions

Canadian EMC Requirements  
ICES-003  
European Standard EN55022  
CISPR 22  
FCC Part 15 Subpart B  
Class A limit

### Immunity

European Standard EN55024:  
IEC 1000-4-2/EN61000-4-2: ESD  
IEC 1000-4-3/EN61000-4-3: RF  
IEC 1000-4-4/EN61000-4-4: Fast Transient/ Burst  
IEC 1000-4-5/EN61000-4-5: Surge  
IEC 1000-4-6/EN61000-4-6: Conducted Disturbance  
IEC 1000-4-8/EN61000-4-8: Magnetic Field

### Safety

IEC 60950/EN60950 (LISTED)  
CSA C22.2 No. 60950/UL60950 Third Edition

### Other

European Standard: 2002/95/EC Directive (RoHS2)

### Regulatory Approvals



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

Sales Support  
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