

## RocketLinx® ES7110

Part Number: 32048-7



### KEY FEATURES AND BENEFITS

- Industrial PoE unmanaged switch with eight Fast Ethernet PoE injector ports and two Gigabit uplink ports
- IEEE 802.3af compliant PoE with a total output power budget of 65W (15.4W maximum on each port)
- 48VDC power input delivering IEEE 802.3af compliant PoE on all eight PoE ports
- QoS support for optimizing video and VoIP stream
- Wide operating temperature range for installation in harsh environments (-25° to +70°C)
- Alarm relay for failure and event notification
- Industrial-grade aluminum IP31 housing
- DIN rail/wall mount installation

### PRODUCT DESCRIPTION

The RocketLinx ES7110 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, VoIP phone sets, point-of-sale systems, and other devices where a power source is not conveniently located.

The RocketLinx ES7110 is equipped with eight 10/100BASE-TX PoE injector switch 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 ES7110 supports QoS, which ensures high quality video traffic transmission by adjusting the data transfer priority.

The ES7110 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 ES7110 is designed for industrial applications and deployment in harsh conditions. With an IP31 rigid aluminum housing and extended operating temperature range, consistent operation is ensured in environments such as mass transit vehicles, factories, and outdoor settings.

# ROCKETLINX SPECIFICATIONS

## HARDWARE

### Ethernet Specification

10/100/1000BASE-TX

### Enclosure

IP31 Grade metal case  
Drop-waterproof and dustproof

### Installation Method

DIN rail

### LED Indicators

PoE status, Power, Port link/activity, Full-duplex/collision,  
Alarm, Gigabit speed

### Dimensions

4.75" x 2.6" x 5.9"  
12.07 x 6.6 x 14.99 cm

### Product Weight

2.2 lbs  
1 kg

## ETHERNET SPECIFICATIONS

### Standards

IEEE 802.3af Power over Ethernet  
IEEE 802.3 10BASE-T  
IEEE 802.3u 100BASE-TX  
IEEE 802.3ab 1000BASE-TX  
IEEE 802.1p Class of Service

### Flow Control

IEEE 802.3x Flow Control and Back-Pressure

## PERFORMANCE

### Switch Technology

32Gbps Switch Fabric  
Store/Forward Switch Technology

### System Throughput

14,880pps for 10M Ethernet  
148,800pps for 100M Ethernet  
1,488,000pps for 1000M Ethernet

### Number of MAC Address

8K

### Packet Buffer Memory

1Mbits

### Transfer Packet Size

64 - 1522 Bytes  
(including tagged and untagged frames)

## PoE FEATURES

### Standards

IEEE 802.3af Power over Ethernet (PoE)

### Number of PoE Injector Ports

8

### Maximum Output Power/PoE Port

15.4W

### PoE Voltage Output

48V/65W

### Total PoE Power Budget

65W

### PSE Type

Alternative B

## ETHERNET INTERFACE SPECIFICATION

### Connector Type

RJ45

### Number of Ports

8 x 10/100BASE-TX (PoE ports)  
2 x 10/100/1000BASE-TX (Uplink ports)

### Auto-MD/MDI-X

Yes

### Auto-Negotiation

Yes

### PoE Pin Assignment

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

### Link Distance

100 Meters

### Port Alarm Relay

Failure notification for each port

### Relay Rating

1A Max. @ 24VDC

## ELECTRICAL SPECIFICATIONS

### Device

DC Input Voltage 48VDC

Power Consumption  
(Without PD Load) 7W

Power Consumption  
(With PD Load) 75W

### Power Connectors

1

### Power Connector Type

(1) 4-Pin Screw Terminal Block

## ENVIRONMENTAL SPECIFICATIONS

### Air Temperature

System On -25° to 70° C

System Off -40° to 80° C

### Mean Time Between Failures

22.83 years

### Operating Humidity

(non-condensing)

0% to 95%

### Storage Humidity

(non-condensing)

0% to 95%

## EXPORT INFORMATION

### Packaged Shipping Weight

3.1 lbs

1.41 kg

### Package Dimensions

11.3" x 9.1" x 5.5"

28.7 x 23.11 x 13.97 cm

### UPC Code

7-56727-32048-7

### Country of Origin

USA

### ECCN

5A991

### Schedule B Number

8517.62.0050

## REGULATORY APPROVALS

### Emissions

FCC Part 15 Subpart B

Class A limit

Canadian EMC Requirements

(ICES-003)

European Standard EN55022

### Immunity

European Standard EN55024

IEC61000-4-2/EN61000-4-2: ESD

IEC61000-4-3/EN61000-4-3: RF

IEC61000-4-4/EN61000-4-4: Fast Transient/Burst

IEC61000-4-5/EN61000-4-5: Surge

IEC61000-4-6/EN61000-4-6: Conducted Disturbance

IEC61000-4-8/EN61000-4-8: Magnetic Field

IEC61000-4-11/EN61000-4-11: DIPS and Voltage Variations

### Safety

IEC 60950/EN60950 (LISTED)

CSA C22.2 No. 60950/UL60950 Third Edition

### Other

RoHS2 compliant under CE

### Regulatory Approvals



### Warranty Information

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

### Sales Support

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### Technical Support

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