



RocketLinx® ES7110-VB

Part Number: 32049-4 Voltage Boost



KEY FEATURES AND BENEFITS::

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

PoE SWITCH

PRODUCT DESCRIPTION::

The RocketLinx ES7110-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 ES7110-VB is equipped with eight 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 ES7110-VB supports QoS, which ensures high quality video traffic transmission by adjusting the data transfer priority.

The ES7110-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 ES7110-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.



ROCKETLIX SPECIFICATIONS::

HARDWARE

Network Interface

10/100BASE-TX IEEE 802.3af Compliant PoE
10/100/1000BASE-TX Gigabit Uplink

Installation Method

DIN rail or wall mount

Enclosure

IP30 Grade Metal Case

LED Indicators

Power, PoE Status, Ethernet Link/Activity and Link Speed, Alarm

Relay Alarm

Dry Relay Output
Failure Notification for Each Port (Enable/Disable with DIP Switch)
1A Max. @ 24VDC

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

Cable Types

CAT-5, CAT5e, CAT6 (UTP or STP)

Connector Type

RJ45

Link Distance

100 Meters

Number of Ports

10

Ports Type

(8) 10/100BASE-TX IEEE 802.3af Complaint PoE
(2) 10/100/1000BASE-TX Uplink Auto MDI/MDIX, Auto Negotiation

Standards

IEEE 802.1p Class of Service
IEEE 802.3af Power over Ethernet
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-TX
IEEE 802.3x Flow Control and Back-Pressure

Transfer Packet Size

64 bytes to 1522 bytes (with Tagged and Untagged Frames)

POWER OVER ETHERNET SPECIFICATIONS

Maximum Output Power/PoE Port

15.4W

Number of PoE Injector Ports

8

PoE Pin Assignment

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

PoE Mode

Alternative B

Standard

IEEE 802.3af Power over Ethernet (PoE)

Standard PoE Voltage Output

Yes, IEEE 802.3af Compliant 48VDC

Total PoE Power Budget

65W

ELECTRICAL SPECIFICATIONS

Device

DC Input Voltage 12-24VDC
Power Consumption (Without PD Load) 30W
Power Consumption (With PD Load) 95W

Number of Power Connectors

1

Power Connector Type

4-Pin Screw Terminal Block

Reverse Polarity Protection

Yes

Relay Output

1A (Max) @ 24VDC

NETWORK PERFORMANCE

Back Pressure

IEEE 802.3x 1000Mbps Half-Duplex Only

Class of Service (CoS)

IEEE 802.1p 4/Port Priority Queues

Flow Control Pause Frame

IEEE 802.3x 10/100/1000Mbps Full-Duplex

Packet Buffer Memory

1Mbit

Switch Technology

32Gbps Switch Fabric
Store/Forward Switch Technology
8K MAC Address

ENVIRONMENTAL SPECIFICATIONS

Air Temperature

System On -25° to 60° C
System Off -40° to 80° C

MTBF (Mean Time Between Failures)

22.83 years

Operating Humidity (non-condensing)

0% to 95%

Storage Humidity (non-condensing)

0% to 95%

EXPORT INFORMATION

Package Shipping Weight

3.1 lbs

1.41 kg

Package Dimensions

11.3" x 9.1" x 5.5"

28.7 x 23.1 x 13.97 cm

UPC Code

7-56727-32049-4

ECCN

5A991

Schedule B Number

8517.62.0050

REGULATORY APPROVALS

Emissions

FCC Part 15 Subpart B
Class A limit
Canadian EMC Requirements
ICES-003

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

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

Regulatory Approvals



RECOMMENDED PRODUCTS::

32102-6 PS1100 24VDC, 100W, DIN rail



Warranty Information

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

Sales Support

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Technical Support

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