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.
ROCKETLINX SPECIFICATIONS

HARDWARE

Ethernet Specification
10/100/1000BASE-TX

Enclosure
IP30 Grade Metal Case
Drop-proof and dust-proof

Installation Method
35mm rail/wall mount

LED Indicators
Power, PoE Status, Port Link/Activity, Full-duplex, 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

TECHNOLOGY

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

Flow Control
IEEE 802.3 Flow control and back-pressure

PERFORMANCE

Switch Technology
32Gbps switch fabric
Store and 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

Standard PoE Voltage Output
IEEE 802.3af compliant
44-48VDC

Total PoE Power Budget
65W

PSE Type
Alternative B

ETHERNET INTERFACE SPECIFICATION

Connector Type
RJ45

Number of Ports
8 x 10/100/100BASE-TX (PoE Ports)
2 x 10/100/1000BASE-TX (Uplink Ports)

Auto-MD/MDI-X
Yes

Auto-Negotiation
Yes

PoE Port 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
(enabled/disabled via DIP switch)

Relay Rating
1A Max. @ 24VDC

ELECTRICAL SPECIFICATIONS

Device
DC Input Voltage
12-24VDC

Power Consumption
Without PD Load
11W @ 24VDC
9.8 W @ 12VDC

Power Consumption
When PD Load
79W

Number of Power Connectors
1

POWER CONNECTOR TYPE
(1) 4-Pin Screw Terminal Block

ENVIRONMENTAL SPECIFICATIONS

Air Temperature
System On
-25° to 70° C
-40° to 85° 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
7-56727-32049-4

ECCN
5A991

Schedule B Number
8517.62.0050

REGULATORY APPROVALS

Emissions
FCC Part 15 Subpart B
Class A limit

Canadian EMC Requirements
ICES-003

European Standard EN55022
CISPR 22

Immunity
European Standard EN55024
IEC1000-4-2/EN61000-4-2: ESD
IEC1000-4-3/EN61000-4-3: RF
IEC1000-4-4/EN61000-4-4: Fast Transient/Burst
IEC1000-4-5/EN61000-4-5: Surge
IEC1000-4-6/EN61000-4-6: Conducted Disturbance
IEC1000-4-8/EN61000-4-8: Magnetic Field
IEC1000-4-11/EN61000-4-11: BIPS and Voltage Variations

RoHS2 compliant under CE

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

Sales Support
+1.763.957.6000
sales@comtrol.com

Technical Support
+1.763.957.6000
www.comtrol.com/support

Email, FTP, and Web Support
info@comtrol.com
ftp.comtrol.com
www.comtrol.com

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