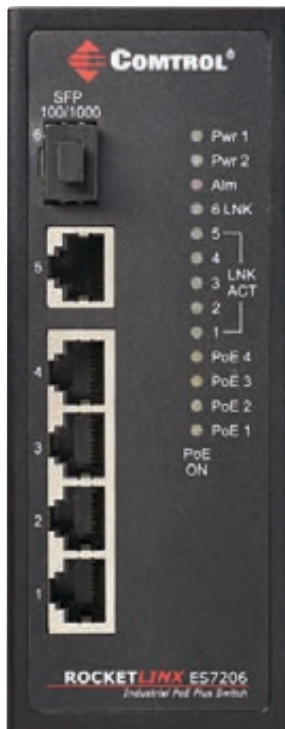




RocketLinx® ES7206-XT

Part Number: 32015-9



KEY FEATURES AND BENEFITS::

- Unmanaged “Plug and Play” installation for quick setup and deployment
- 4 Gigabit IEEE 802.3af/at PoE ports
- 1 Gigabit copper uplink port
- 1 SFP uplink port supporting multi-mode or single-mode fiber connections
- Voltage Boost Technology enabling direct 12-36 VDC input supporting vehicle/access control/factory electrical systems
- 9KB jumbo frame support with wire speed performance
- User configurable multi-event alarm relay
- Rugged industrial design with IP30 steel housing
- -40 to 75°C extended operating temperature range for deployment in harsh environments
- Ideal for IP surveillance, rail, transit, traffic, mining, and other demanding PoE applications

GIGABIT PoE PLUS SWITCH

PRODUCT DESCRIPTION::

The RocketLinx ES7206-XT is a rugged, unmanaged industrial-grade PoE switch designed for connecting PoE devices even under the most extreme conditions. The unmanaged design means quick, convenient setup while advanced capabilities enable the switch to provide reliable PoE connectivity to demanding applications such as rail, vehicle, access control, and IP surveillance.

The ES7206-XT features four 802.3af/at Gigabit PoE ports along with Gigabit copper and SFP uplinks for connecting the latest high power, high bandwidth PoE devices such as access points

and HD pan/tilt/zoom cameras. A wide 12-36V input power range with 48V PoE voltage boost technology enables direct connection to vehicle, building, and factory power sources while delivering reliable power to PoE devices and the switch's extended -40 to 75°C operating temperature range allows deployment within extreme environmental conditions. Redundant power inputs, polarity and over-current protection, and a configurable alarm relay round out the safety features that make the Control RocketLinx ES7206-XT the ideal solution for demanding high power, high bandwidth PoE applications.

This product information is preliminary



connect. communicate. control.

ROCKETLINX SPECIFICATIONS::

HARDWARE

Bus Interface Specification

10/100/1000BASE-TX
100/1000BASE SFP Fiber

Enclosure

IP-30 grade steel metal case

Installation Method

DIN rail

LED Indicators

Power 1, Power 2, Alarm, PoE ports: Link/Activity & PoE powering, SFP port: Link

Dimensions

5.67" x 2.17" x 4.13"
144 x 55 x 105 mm
1.7 lbs
0.80 kg

Product Weight

TECHNOLOGY

Standard

IEEE802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3u 100BASE-FX
IEEE 802.3ab 1000BASE-T
IEEE 802.3z Gigabit Ethernet Fiber
IEEE 802.3af Power Over Ethernet
IEEE 802.3at High Power PoE with 2-Event Classification

Switch Technology

2.0Gbps switch fabric, Store and forward technology

Flow Control

IEEE 802.3x Flow Control and Back-Pressure

PERFORMANCE

Aggregate System Throughput

10Mbps @ 14,880 PPS
100Mbps @ 148,880 PPS
1000Mbps @ 1,488,100 PPS
(64 Bytes packet size)

Number of MAC Addresses

2K

Packet Buffer Memory

1Mbits embedded

Transfer Packet Size

64-bytes - 9Kbytes jumbo frame

Event Alarm

Ethernet ports link down, power event alarm, SFP port link down,
Enabled by 8-Pin DIP switch

PoE FEATURES

PoE Modes

IEEE 802.3af Power over Ethernet
IEEE 802.3at High Power PoE with 2-Event Classification

Number of PoE Plus Injector Ports

4

Maximum Power/PoE Port (Max.)

15.4W (IEEE 802.3af)
30W (IEEE 802.3at)

Total PoE Power Budget (Max.)

110W @ 75°C

PoE Voltage Output (Max.)

12VDC: 60W output
24VDC: 110W output
36VDC: 110W output

PoE Output Pin-Out (RJ45)

Pins 1, 2: V-; Pins 3, 6: V+

PoE Format

Alternative A

ELECTRICAL SPECIFICATIONS

Devices

DC Input Voltage 12-36VDC
Power Consumption (w/out PoE loading)
240mA @ 24VDC
Power Consumption (w/PoE loading (max.))
802.3af - 4A @ 24VDC
802.3at - 7A @ 24VDC

Power Connectors

2

Power Connector Type

6-pin terminal block

Protection

Redundant Power Inputs, Reverse Polarity Protection,
Over-Current Protection

Power Alarm Relay

Alarm for power failure notification

Relay Rating

0.5A Max. @24VDC

ENVIRONMENTAL SPECIFICATIONS

Air temperature

System On
-40° to 75°C
System Off
-40° to 85°C

Operating Humidity (non-condensing) 0.5A Max. @ 24VDC

ETHERNET SPECIFICATION

Connector Type

RJ45

Number of Ports

5

Ethernet Cable Type

Cat 5e, Cat 6 (UTP or STP)

Standard

10/100/1000BASE-TX
Auto MDI/MDI-X, Auto negotiation

Link Distance

100 Meters

EXPORT INFORMATION

Packaged Shipping Weight

2.2 lbs

Package Shipping Dimensions

1 kg
9.9" x 7.0" x 3.7"
251 x 178 x 94 mm
7-56727-32015-9
5A991
8471.80.1000

UPC Code

ECCN

Schedule B Number

REGULATORY APPROVALS

Emissions

Heavy Industrial Equip. Std. IEC/EN61000-6-4
CISPR16-1-2/-1-2-3/22

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: RoHS2 compliance under CE

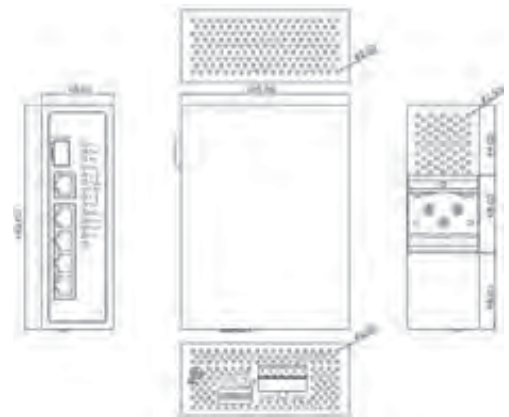
Regulatory Approvals



DIMENSIONS

(Without DIN rail clip)

1.75" (W) x 5.5" (H) x 4.1" (D)
44 mm (W) x 140 mm (H) x 104 mm (D)



Warranty Information

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

Sales Support

+1.763.957.6000
sales@comtrol.com

Technical Support

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