



## 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.



connect. communicate. control.

# ROCKETLINX SPECIFICATIONS

## HARDWARE

<b>Network Interface</b>	
10/100/1000BASE-TX	
100/1000BASE-FX Gigabit Fiber	
<b>Enclosure</b>	
IP30 grade steel metal case	
<b>Installation Method</b>	DIN rail
<b>LED Indicators</b>	
Power 1, Power 2, Alarm, PoE ports: Link/Activity & PoE powering, SFP port: Link	
<b>Dimensions</b>	5.67" x 2.17" x 4.13" 144 x 55 x 105 mm
<b>Product Weight</b>	1.7 lbs 0.80 kg

## TECHNOLOGY

<b>Standard</b>	
IEEE 802.3 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	
<b>Switch Technology</b>	
2.0Gbps Switch Fabric, Store and Forward Technology	
<b>Flow Control</b>	
IEEE 802.3x Flow Control and Back-Pressure	

## PERFORMANCE

<b>Aggregate System Throughput</b>	
10Mbps @ 14,880 PPS	
100Mbps @ 148,880 PPS	
1000Mbps @ 1,488,100 PPS (64 Bytes packet size)	
<b>Number of MAC Addresses</b>	2K
<b>Packet Buffer Memory</b>	1Mbits embedded
<b>Transfer Packet Size</b>	
64-bytes - 9Kbytes jumbo frame	
<b>Event Alarm</b>	
Ethernet ports link down, power event alarm, SFP port link down, Enabled by 8-Pin DIP switch	

## PoE FEATURES

<b>PoE Modes</b>	
IEEE 802.3af Power over Ethernet	
IEEE 802.3at High Power PoE with 2-Event Classification	
<b>Number of PoE Plus Ports</b>	4
<b>Maximum Power/PoE Port (Max.)</b>	
15.4W (IEEE 802.3af)	
30W (IEEE 802.3at)	
<b>Total PoE Power Budget (Max.)</b>	110W @ 75°C
<b>PoE Output Pin-Out (RJ45)</b>	
Pins 1, 2: V- ; Pins 3, 6: V+	
<b>PoE Format</b>	
Alternative A	

## ELECTRICAL SPECIFICATIONS

<b>DC Input Voltage</b>	12-36VDC
<b>Power Consumption (w/out PoE loading)</b>	
840mA @ 12VDC	
420mA @ 24VDC	
280mA @ 36VDC	

## Power Consumption (w/PoE loading (max.))

802.3af: 6.25A @ 12VDC
802.3af: 4A @ 24VDC
802.3at : 7A @ 24VDC
802.3af: 2.67A @ 36VDC
802.3at: 4.67A @ 36VDC

<b>Power Connectors</b>	2
<b>Power Connector Type</b>	6-pin terminal block
<b>Protection</b>	
Reverse Polarity Protection, Over-Current Protection	
<b>Power Alarm Relay</b>	
Alarm for power failure notification	
<b>Relay Rating</b>	
0.5A Max. @24VDC	

## ENVIRONMENTAL SPECIFICATIONS

<b>Air temperature</b>	
System On	-40° to 75°C
System Off	-40° to 85°C
<b>Operating Humidity</b> (non-condensing)	
0.95A Max. @ 24VDC	

## ETHERNET SPECIFICATION

<b>Connector Type</b>	RJ45
<b>Number of Ports</b>	5
<b>Ethernet Cable Type</b>	
Cat 5e, Cat 6 (UTP or STP)	
<b>Standard</b>	
10/100/1000BASE-TX	
Auto MDI/MDI-X, Auto negotiation	
<b>Link Distance</b>	100 Meters

## EXPORT INFORMATION

<b>Packaged Shipping Weight</b>	2.2 lbs 1 kg
<b>Package Shipping Dimensions</b>	9.9" x 7.0" x 3.7" 251 x 178 x 94 mm
<b>UPC Code</b>	7-56727-32015-9
<b>ECCN</b>	5A991
<b>Schedule B Number</b>	8471.80.0050

## REGULATORY APPROVALS

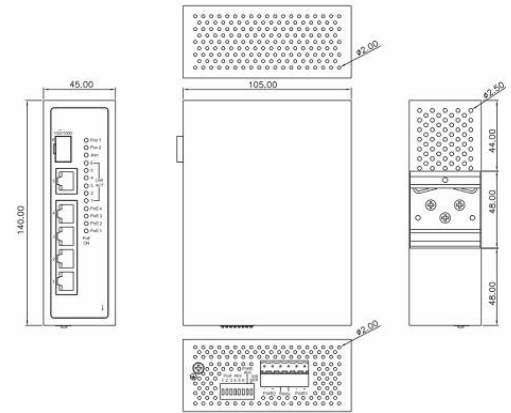
<b>Emissions</b>	
Heavy Industrial Equip. Std. IEC/EN61000-6-4	
CISPR16-1-2/-2-1/-2-3/22	
<b>Immunity</b>	
European Standard EN55024:	
IEC 1000-4-2/EN61000-4-2: ESD	
IEC 1000-4-3/EN61000-4-3: RF	
IEC 1000-4-4/EN61000-4-4: Fast Transient/Burst	
IEC 1000-4-5/EN61000-4-5: Surge	
IEC 1000-4-6/EN61000-4-6: Conducted Disturbance	
IEC 1000-4-8/EN61000-4-8: Magnetic Field	
<b>Safety</b>	
IEC 60950/EN60950 (LISTED)	
CSA C22.2 No. 60950/UL60950 Third Edition	
<b>Other</b>	
European Standard: RoHS2 compliance under CE	
<b>Regulatory Approvals</b>	



## 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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