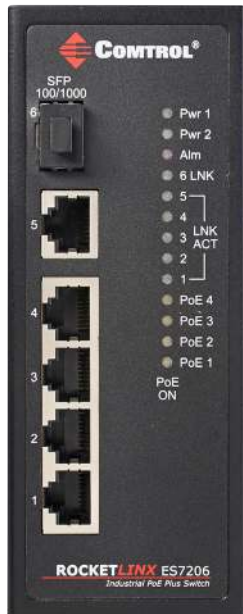


RocketLinx® ES7206-XT

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



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 Comtrol RocketLinx ES7206-XT the ideal solution for demanding high power, high bandwidth PoE applications.

ROCKETLINX SPECIFICATIONS

HARDWARE

Network Interface	
10/100/1000BASE-TX	
100/1000BASE-FX Gigabit Fiber	
Enclosure	
IP30 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
Product Weight	1.7 lbs 0.80 kg

TECHNOLOGY

Standard	
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	
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 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 Output Pin-Out (RJ45)	
Pins 1, 2: V-; Pins 3, 6: V+	
PoE Format	
Alternative A	

ELECTRICAL SPECIFICATIONS

DC Input Voltage	12-36VDC
Power Consumption (w/out PoE loading)	
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	

Power Connectors	2
Power Connector Type	6-pin terminal block
Protection	
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)	
0.95A 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 1 kg
Package Shipping Dimensions	
9.9" x 7.0" x 3.7"	
251 x 178 x 94 mm	
UPC Code	7-56727-32015-9
ECCN	5A991
Schedule B Number	8471.80.0050

REGULATORY APPROVALS

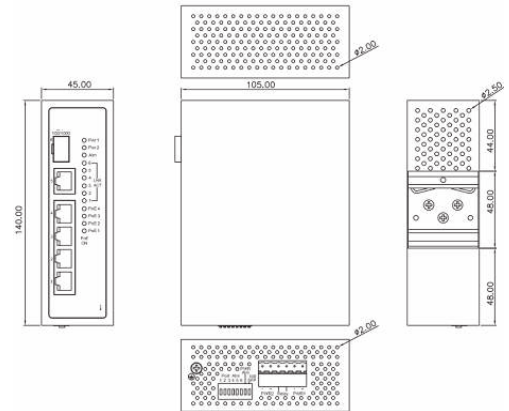
Emissions	
Heavy Industrial Equip. Std. IEC/EN61000-6-4	
CISPR16-1-2/-2-1/-2-3/22	
Immunity	
European Standard EN55024:	
IEC 1000-4-2/EN61000-4-2: ESD	
IEC 1000-4-3/EN61000-4-3: RF	
IEC 1000-4-4/EN61000-4-4: Fast Transient/Burst	
IEC 1000-4-5/EN61000-4-5: Surge	
IEC 1000-4-6/EN61000-4-6: Conducted Disturbance	
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

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Technical Support

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