COMTROL
Pepperl+Fuchs

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

PoE POWER OVER ETHERNET

EXTENDED TEMPERATURE RATINGS

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 802.2af/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.

Your automation, our passion.

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 Classificiation
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 @ 75ºC
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
-40º to 75ºC
System Off
-40º to 85ºC
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
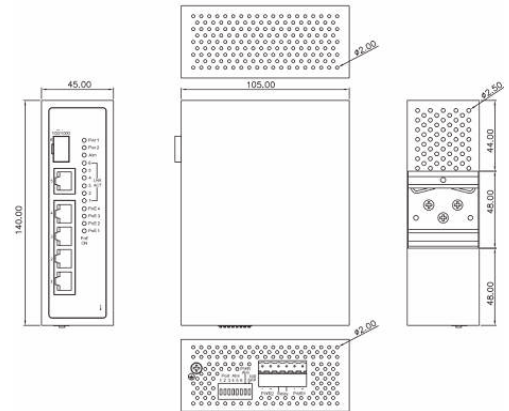
REGULATORY APPROVALS

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)

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