

## RocketLinx® ES8105-XT

Part Number: 32024-1



### KEY FEATURES AND BENEFITS

- Class I, Division 2 (CID2) certified for potentially hazardous locations
- Compact industrial Fast Ethernet switch
- Five - 10/100BASE-TX ports
- 3.2Gbps Switch Fabric
- AC or DC power input (18 to 32VDC or 18 to 27VAC)
- DIN rail installation
- -40° to +75° C extended operating temperature for extreme environments
- Alarm relay output for port event notifications
- Aluminum metal case with IP31 grade protection for drip-proof and dustproof protection
- Supports 1.5KV Hi-Pot isolation protection
- Plug-and-play
- RoHS2 compliant under CE
- UL listed

### PRODUCT DESCRIPTION

The RocketLinx ES8105-XT is a compact 5-port Fast Ethernet industrial switch featuring a 3.2Gbps switch fabric with Store and Forward technology, and housed in a slim industrial enclosure to save rail or panel space in compact system designs.

For installation in hazardous or industrial environments requiring CID2, the RocketLinx ES8105-XT features an extended operating temperature range (-40° to 75° C) and provides IP31 protection to guard against flammable gases or vapors.

The ES8105-XT is an unmanaged switch that requires no user setup and immediately starts operating as soon as power is applied for true “plug-and-play” operation. The RocketLinx ES8105-XT supports 18

to 27VAC or 18 to 32VDC power inputs and provides built-in reverse power polarity protection.

For ease-of-maintenance, the RocketLinx ES8105-XT has one alarm relay that is controlled by a DIP switch to assist engineers with on-site notifications in the case of link-down events.

#### RocketLinx Reliability

With the 1.5KV Hi-Pot isolation protection, CE/FCC/UL regulatory approvals, high MTBF, a 5-year warranty, and rugged aluminum design, the RocketLinx ES8105-XT is the ideal switch solution for industrial and hazardous environments.

## ROCKETLINK SPECIFICATIONS

### HARDWARE

#### Bus Interface Specification

10/100BASE-TX

#### Enclosure

IP31 Grade Aluminum Metal Case  
Drop-Waterproof and Dustproof

#### Installation Method

DIN rail

#### LED Indicators

Power, Alarm, 10Mbps Link/Activity, 100Mbps Link/  
Activity

#### Dimensions

3.9" x 1.2" x 4.4"  
99 x 30.5 x 112 mm

#### Product Weight

0.65 lbs  
0.295 kg

### TECHNOLOGY

#### Standard

IEEE 802.3 10BASE-T  
IEEE 802.3u 100BASE-TX

#### Switch Technology

3.2Gbps switch fabric  
Store and forward technology

#### Aggregate System Throughput

1.49Mbps

#### Flow Control

IEEE 802.3x Flow control

### ETHERNET SPECIFICATIONS

#### Connector Type

RJ45

#### Number of Ports

5

#### Cable Types

Cat 3, Cat 4, Cat 5, Cat 5e (UTP or STP)

#### Link Distance

100 Meters

#### Port Type

10/100BASE-TX  
Auto MDI/MDIX, auto-negotiation

#### Port Failure Alarm

Yes DIP switch enabled

#### Relay Rating

1A Max. @ 24VDC

### ELECTRICAL SPECIFICATIONS

#### Device

Power Input	AC or DC
DC Input Voltage	18 to 32VDC
Current Consumption +24VDC	130mA
AC Input Voltage	18 to 27VAC, 47 to 63

#### HZ Power Consumption (Max)

3W

#### Number of Power Connectors

1

#### Power Connector Type

4-Pin Screw Terminal Block

#### Reverse Polarity Protection

Yes

### ENVIRONMENTAL SPECIFICATIONS

#### Air temperature

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

#### MTBF (Mean Time Between Failures)

TBD

#### Operating Humidity (non-condensing)

0% to 95%

#### Storage Humidity

0% to 95%

### EXPORT INFORMATION

#### Packaged Shipping Weight

0.90 lbs

0.41 kg

#### Package Dimensions

6.0" x 2.5" x 5.0"  
152 x 63.5 x 127 mm

#### UPC Code

7-56727-32024-1

#### ECCN

5A991

#### Schedule B Number

8517.62.0050

### REGULATORY APPROVALS

#### Emissions

Canadian EMC Requirements

ICES-003

European Standard EN55022

CISPR 22

FCC Part 15 Subpart B

Class A limit

#### 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

IEC 1000-4-11/EN61000-4-11: DIPS and Voltage

#### Variations

#### Safety

UL 508 Class I Div 2\*

IEC 60950/EN60950 (LISTED)

CSA C22.2 No. 60950/UL60950 Third Edition

#### Other

RoHS2 compliant

#### REGULATORY APPROVALS



#### 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

+1.763.957.6000  
www.comtrol.com/support

#### Email, FTP, and Web Support

info@comtrol.com  
ftp.comtrol.com  
www.comtrol.com