

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.



ROCKETLINX 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

