



## RocketLinx® ES8105

Part Number: 32025-8



### KEY FEATURES AND BENEFITS

- 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 or wall-mount installation
- -25° to +70° 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 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, the RocketLinx ES8105 features an extended operating temperature range (-25° to 70° C) and provides IP31 protection to guard against dust and water.

The ES8105 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 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 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 is the ideal switch solution for industrial and hazardous environments.

## ROCKETLINX SPECIFICATIONS

### HARDWARE

Network Interface	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	-25° to +70° C
System Off	-40° to +85° C
MTBF	
(Mean Time Between Failures)	93.45 years

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" 15.24 x 6.35 x 12.7 cm
UPC Code	7-56727-32025-8
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	IEC 60950/EN60950 (LISTED) CSA C22.2 No. 60950/UL60950 Third Edition
Other	RoHS2 compliant

### REGULATORY APPROVALS



### RECOMMENDED PRODUCTS

32100-2	Power Supply PS1020 Universal (24V, 20W, Din Rail)
32101-9	Power Supply PS1060 Universal (24V, 60W, Din Rail)
32102-6	Power Supply PS1100 Universal (24V, 100W, Din Rail)
1200038	External Power Adapter, Bare Wires (24VDC, 24W, 3-Wire)



#### 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