

ROCKETLINX ES8105

Industrial Ethernet Switch

HIGHLIGHTS

- 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
- UL listed



Part Number
32025-8



Extreme Temperature Ratings
-25° to +70° C

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.



SPECIFICATIONS

HARDWARE

Network Interface	10/100BASE-TX
Enclosure	IP31 Grade Aluminum Metal Case Drop-Waterproof and Dustproof
Installation Method	DIN Rail or Wall Mount
LED Indicators	Power, Alarm, 10Mbps Link/Activity, 100Mbps Link/Activity
Relay Alarm	Failure notification for each port (enable/disable with DIP switch)
Dimensions	3.9" x 1.2" x 4.4"
Product Weight	10.4 oz

ETHERNET SPECIFICATIONS

Connector Type	RJ45
Number of Ports	5
Cable Types	CAT-3, CAT-4, CAT-5 (UTP or STP)
Link Distance	100 Meters
Port Type	10/100BASE-TX, Auto MDI/MDIX, Auto-Negotiation
Switch Technology	3.2Gbps Switch Fabric with Store and Forward Technology
Aggregate System Throughput	1.49Mbps
Standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX and 100BASE-FX IEEE 802.3x Flow Control and Back Pressure

ELECTRICAL SPECIFICATIONS

Device	
Power Input	AC or DC
DC Input Voltage	18 to 32VDC
Current Consumption +24VDC	200mA
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
Relay Output	1A Max @ 24VDC

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
Package Dimensions	6.0" x 2.5" x 5.0"
UPC Code	9-56727-32025-8
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 1000-4-6/EN61000-4-8: Magnetic Field IEC 1000-4-6/EN61000-4-11: DIPS and Voltage Variations
Safety	IEC 60950/EN60950 (LISTED) CSA C22.2 No. 60950/UL60950 Third Edition
Other	European Standard: 2002/95/EC Directive (RoHS)

Regulatory Approvals



ORDERING INFORMATION

32025-8 RocketLinX ES8105

RECOMMENDED ACCESSORIES

- 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)

PRODUCT SUPPORT & SERVICE INFORMATION

Warranty Information

Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

Sales Support

+1.763.494.4100
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Technical Support

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