



## 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
- 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

<b>Network Interface</b>	10/100BASE-TX
<b>Enclosure</b>	IP31 Grade Aluminum Metal Case Drop-Waterproof and Dustproof
<b>Installation Method</b>	DIN rail or wall mount
<b>LED Indicators</b>	Power, Alarm, 10Mbps Link/Activity, 100Mbps Link/Activity
<b>Relay Alarm</b>	Failure notification for each port (enable/disable with DIP switch)
<b>Dimensions</b>	3.9" x 1.2" x 4.4" 9.91 x 3.05 x 3.56 cm
<b>Product Weight</b>	10.4 oz 294.84 g

### ETHERNET SPECIFICATIONS

<b>Connector Type</b>	RJ45
<b>Number of Ports</b>	5
<b>Cable Types</b>	CAT-3, CAT-4, CAT-5 (UTP or STP)
<b>Link Distance</b>	100 Meters
<b>Port Type</b>	10/100BASE-TX, Auto MDI/MDIX, auto-negotiation
<b>Switch Technology</b>	3.2Gbps switch fabric with store and forward technology
<b>Aggregate System Throughput</b>	1.49Mbps
<b>Standards</b>	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX and 100BASE-FX IEEE 802.3x Flow Control and Back Pressure

### ELECTRICAL SPECIFICATIONS

<b>Device</b>	
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
<b>Power Consumption (Max)</b>	3W
<b>Number of Power Connectors</b>	1
<b>Power Connector Type</b>	4-Pin Screw Terminal Block
<b>Reverse Polarity Protection</b>	Yes
<b>Relay Output</b>	1A Max @ 24VDC

### ENVIRONMENTAL SPECIFICATIONS

<b>Air temperature</b>	
System On	-25° to +70° C
System Off	-40° to +85° C
<b>MTBF (Mean Time Between Failures)</b>	93.45 years
<b>Operating Humidity</b> (non-condensing)	0% to 95%
<b>Storage Humidity</b>	0% to 95%

### EXPORT INFORMATION

<b>Packaged Shipping Weight</b>	0.90 lbs 0.41 kg
<b>Package Dimensions</b>	6.0" x 2.5" x 5.0" 15.24 x 6.35 x 12.7 cm
<b>UPC Code</b>	7-56727-32025-8
<b>ECCN</b>	5A991
<b>Schedule B Number</b>	8517.62.0050

### REGULATORY APPROVALS

<b>Emissions</b>	Canadian EMC Requirements ICES-003 European Standard EN55022 CISPR 22 FCC Part 15 Subpart B Class A limit
<b>Immunity</b>	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
<b>Safety</b>	IEC 60950/EN60950 (LISTED) CSA C22.2 No. 60950/UL60950 Third Edition
<b>Other</b>	European Standard: 2002/95/EC Directive (RoHS2)

### REGULATORY APPROVALS



## RECOMMENDED PRODUCTS ::

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



**Warranty Information**  
Control offers a 30-day satisfaction guarantee and 5-year limited warranty.

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