

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



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