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) 5% 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*
CSA C22.2 No. 60950/UL60950 Third Edition
RoHS2 compliant

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

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