

Industrial Link ISM-800

Industrial 8-Port Managed Redundant Ring Ethernet Switch With 8* 10/100Base-TX port

Overview

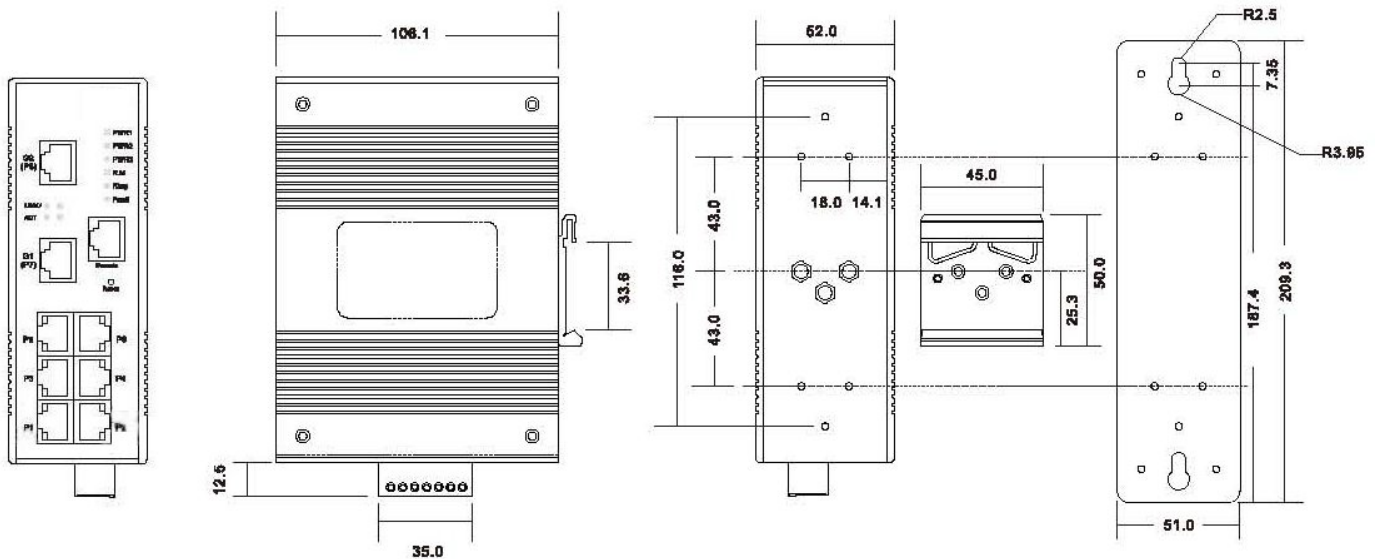
Linkpro ISM-800 is a managed Redundant Ring Ethernet switches with 8x10/100Base-T(X) ports. With complete support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection), Open-Ring, O-RSTP and MSTP/RSTP/STP (IEEE 802.1s/w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. Another Open-Ring technology is also supported which can be applied for other vendor's proprietary ring. In addition, the wide operating temperature range from -40 oC to +70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choice for highly-managed Fiber Ethernet application.



Highlights

- Redundant Ethernet Ring : O-Ring (recovery time < 10ms over 250 units of connection)
- MSTP/RSTP/STP (IEEE 802.1s/w/D)
- SNMP V1/V2/V3 support for secured network management
- Rigid IP-30 housing design
- DIN-Rail and panel mounting enabled

Dimension



Specifications

10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX	<ul style="list-style-type: none"> ● 8
Ethernet Standard	<ul style="list-style-type: none"> ● IEEE802.3 10Base-T Ethernet ● IEEE802.3u 100Base-TX and 100Base-FX ● IEEE802.3x Flow Control and Back Pressure ● IEEE802.3ad for LACP (Link Aggregation Control Protocol) ● IEEE802.1d Spanning Tree ● IEEE802.1w Rapid Spanning Tree ● IEEE802.1s for MSTP (Multiple Spanning Tree Protocol) ● IEEE802.1p Class of Service ● IEEE802.1Q VLAN Tag ● IEEE802.1x User Authentication (Radius)
Mac Address	<ul style="list-style-type: none"> ● 8192 MAC address table
Priority Queues	<ul style="list-style-type: none"> ● 4
Processing	<ul style="list-style-type: none"> ● Store-and-forward
Switch Properties	<ul style="list-style-type: none"> ● Switching latency : 7μs ● Switching bandwidth : 5.2Gbps ● Max. number of Available VLANs : 4096 ● IGMP multicast groups: 1024 ● Port rate limiting : user define

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Security Features	<ul style="list-style-type: none"> ● Enable/disable ports, MAC based port security ● Port based network access control (802.1x) ● VLAN (802.1Q) to segregate and secure network traffic ● Supports Q-in-Q VLAN for performance & security to expand the VLAN space ● Radius centralized password management ● SNMP v1/v2/v3 encrypted authentication and access security
Software Features	<ul style="list-style-type: none"> ● STP/RSTP/MSTP (IEEE 802.1D/w/s) ● Redundant Ring (O-Ring) with recovery time less than 10ms over 250 units ● TOS/Diffserv supported ● Quality of Service (802.1p) for real-time traffic ● VLAN (802.1Q) with VLAN tagging and GVRP supported ● IGMP Snooping for multicast filtering ● Port configuration, status, statistics, monitoring, security ● SNTP for synchronizing of clocks over network ● Support PTP client (Precision Time Protocol) clock synchronization ● DHCP Server / Client support ● Port Trunk support ● MVR (Multicast VLAN Registration) support
Network Redundancy	<ul style="list-style-type: none"> ● O-Ring ● Open-Ring ● O-RSTP ● STP ● RSTP ● MSTP
Warning/Monitoring System	<ul style="list-style-type: none"> ● Relay output for fault event alarming ● Syslog server / client to record and view events ● Include SMTP for event warning notification via email ● Event selection support
RS-232 Serial Console	<ul style="list-style-type: none"> ● RS-232 in RJ45 connector with console cable. Baud rate : 9600bps, 8, N, 1
Relay	<ul style="list-style-type: none"> ● Relay output to carry capacity of 1A at 24VDC
LED	<ul style="list-style-type: none"> ● Power indicator : Power LED * 3 (Green) ● R.M. indicator : Indicate system operated in O-Ring Master mode (Green) ● O-Ring indicator : Indicate system operated in O-Ring mode ● Fault indicator : Indicate unexpected event occurred (Amber) ● 10/100TX RJ45 Port : Link/Act (Green), Full duplex/collision (Amber)
Redundant Input Power	<ul style="list-style-type: none"> ● Triple DC inputs. 12~48VDC on 7-pin terminal block, 12~45VDC on power jack

Power Consumption	● 5 Watt
Overload Current Protection	● Present
Reverse Polarity Protection	● Present on terminal block
Enclosure	● IP-30
Case Dimension	● 52mm (W) x 106.1mm (D) x 144.3mm (H)
Weight	● 735 g
Operating Humidity	● 5% ~ 95% (Non-condensing)
Operating Temperature	● -40°C~+70°C
Storage Temperature	● -40°C~+85°C
Installation	● DIN Rail and Wall Mount Design
Regulatory Compliance	<ul style="list-style-type: none"> ● FCC Part 15, CISPR (EN55022) Class A ● CE EN61000-4-2 (ESD) ● CE EN61000-4-3 (RS) ● CE EN61000-4-4 (EFT) ● CE EN61000-4-5 (Surge) ● CE EN61000-4-6 (CS) ● CE EN61000-4-8 ● CE EN61000-4-11
Safety	● EN60950-1, UL508 (E331061)
Environmental Test	● IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)

Ordering Information

ISM-800 ver.2 : Industrial 8-Port Managed Redundant Ring Ethernet Switch, with 8* 10/100TX port

** Product specification subject to change without notice.*

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