

# Sixnet® SLX-18MG-1 Managed 18-port Industrial Ethernet Switch

Item number: SLX-18MG-1

The Sixnet® 18-port Managed Industrial Ethernet Switch enables fast Ethernet connectivity for industrial equipment in extreme industrial settings. Rugged and high-performing with a range of advanced control, monitoring and security features deployable through a web browser. Sixteen 10/100BaseTX RJ-45 ports and two dual-mode SFP combo slots (100Base or 1000Base).



*High-speed 18-port managed Ethernet switch for industrial connectivity*

## Features and benefits

- ✓ **Easily connect and manage Ethernet-enabled devices**  
Deliver outstanding switch performance to maritime, oil & gas, transportation, utility and energy applications. Well suited for use as a fiber optic ring manager or an aggregation switch.
- ✓ **Engineered for rugged environments**  
Durable, hardened metal DIN-rail mountable enclosures offer extended shock and vibration protection and electrical noise and surge immunity. Suitable for the most demanding industrial environments.
- ✓ **Copper and fiber capability via 18 total ports**  
Connect devices to up to 18 ports, including sixteen 10/100BaseTX copper ports and two dual-mode SFP combo ports that support 100Base or 1000 Base fiber transceivers. SFP transceivers sold separate.
- ✓ **High-performing Ethernet ports**  
Auto-sensing for speed, flow and MDIX. Ethernet switching technology makes RJ-45 ports full/half duplex capable.
- ✓ **User-configurable advanced functionality**  
Features are easily configurable from a web browser or CLI management. Set up RSTP/MSTP, VLAN, priority queuing, IGMP, SNMP, RMON and port mirroring to your specifications.
- ✓ **Intelligent Ethernet routing**  
Route Ethernet messages only out the appropriate port and enable priority queuing (QoS/CoS/DS). Broadcast and multicast with storm protection.
- ✓ **Real-Time Ring technology and RSTP/MSTP**  
Real-Time Ring technology and Rapid Spanning Tree Protocol (RSTP)/Multiple Spanning Tree Protocol (MSTP) provide network redundancy. Monitor ring and spanning tree health status via web browser.
- ✓ **Alarm and status monitoring**  
Stay informed about switch health and power using LED status indicators and configurable alarm output.
- ✓ **Leading certifications for industrial environments**  
IEEE 802.3 compliance. Suitable for hazardous environments with UL Class I, Division 2 listing and CE and CSA certifications. ABS Type approval for shipboard applications. Over 1 million hours MTBF and operating temperature of -40 °C to 75 °C.
- ✓ **Remote monitoring with Modbus/TCP**  
Monitor power, port and ring status through a web browser in real time using Modbus/TCP monitoring.
- ✓ **Enhanced port security**  
Port-based MAC address filtering and HTTPS, SSH, SSL and SNMPv3 protocols deliver a high level of security to your network connections. Supports up to 8192 MAC addresses.
- ✓ **Redundant power inputs and surge protection**  
Dual redundant power inputs (10-30 VDC) with surge protection.

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## General

Net Weight (g)	793.786
Packed Weight (g)	1587.786
Operating Temperature °C Min	-40
Operating Temperature °C Max	75
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	5% to 95% (non condensing)
Power Consumption (W)	0
Input Voltage (V)	10-30 VDC
Maximum Installation Altitude (m)	9144
Mounting	DIN rail mount (bracket included)
Housing Materials	Aluminium
Packaging Material	Cardboard
Warranty (years)	5

## Identification and Status

Product ID	SLX-18MG-1
Country of Origin	Taiwan (Province of China)
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

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## Physical Features

Top Wiring Clearance (mm)	102
Front Wiring Clearance (mm)	102
SD Card Slot	No
Flash Drive	No
Contains Battery	No

## Bluetooth Features

Net Data Throughput	Up to 7.2 Gb/s
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## Certifications and Standards

Protection Class IP	IP40
RoHS Compliant	Yes
CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	Yes
DNV	No
KC	No
Mean Time Before Failure (MTBF)	> 900k hours
Vibration and Shock	Shock: IEC 60068-2-6 and -27; Vibration: IEC 60068-2-6 and -27