Company Logo

# Sixnet® SLX-8MG-1 Managed 8-port Industrial Ethernet Switch

**Item number: SLX-8MG-1**

The Sixnet® 8-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. Eight 10/100BaseTX RJ-45 ports with four dual-mode SFP combo slots (100Base or 1000Base).


*High-speed 8-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.

**Copper and fiber capability via 8 total ports**

Connect devices to up to 8 ports, including eight 10/100BaseTX copper ports with four dual-mode SFP combo slots (100Base or 1000Base). SFP transceivers sold separate.

**User-configurable advanced functionality**

Ffeatures 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.

**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.

**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.

**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.

**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.

**High-performing Ethernet ports**

Auto-sensing for speed, flow and MDIX. Ethernet switching technology makes RJ-45 ports full/half duplex capable.

**Intelligent Ethernet routing**

Route Ethernet messages only out the appropriate port and enable priority queuing (QoS/CoS/DS). Broadcast and multicast with storm protection.

**Alarm and status monitoring**

Stay informed about switch health and power using LED status indicators and configurable alarm output.

**Remote monitoring with Modbus/TCP**

Monitor power, port and ring status through a web browser in real time using Modbus/TCP monitoring.

**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-8MG-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 16 Gb/s |

## 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)** | >1M+ |
| **Vibration and Shock** | Shock: IEC 60068-2-6 and -27; Vibration: IEC 60068-2-6 and -27 |