Company Logo

Sixnet® SL-6RS-5SCL-D1 Managed 6-port Industrial Ethernet Switch

Item number: SL-6RS-5SCL-D1

The Sixnet® 6-port Managed Industrial Ethernet Switch features powerful Real-Time-Ring™ technology with high-speed, fault-tolerant network redundancy and prioritized message delivery for critical industrial applications. Pre-configured out of the box to save you time and money. Four 10/100BaseTX RJ-45 ports + two 100BaseFX singlemode 60km fibers ports with SC connectors.

An Ethernet switch with pre-configured Real-Time Ring™

Features and benefits

✓ **Enhance real-time Ethernet data delivery**

Pre-configured plug-and-play simplicity for redundant star or Ring topology with with high-performance ports to maximize network performance.

✓ **Flexible port configuration**

Four 10/100BaseTX RJ-45 ports and two singlemode 100BaseFX fiber optic ports with SC connectors.

✓ **Real-Time-Ring™ technology with 30 mS recovery time**

High-performing Ring technology ensures fast, real-time message delivery and network redundancy with Modbus over Ethernet monitoring. Ideal for deterministic systems and PLCs. Recovery time of 30 ms plus 5 ms per hop.

✓ **Local and remote status monitoring**

Indicator LEDs for power and port activity, plus a self-test alarm output feature. Use real-time Modbus over Ethernet (UDP) for remote monitoring.

✓ **Redundant power inputs and surge protection**

Dual redundant power inputs (10-30 VDC) with surge protection.

✓ **Engineered for rugged environments**

Compact Lexan IP30 enclosure delivers top performance for industrial settings. Slim case for DIN rail or direct panel mounting.

✓ **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**

Simple configuration unlocks powerful advanced features, including traffic prioritization (QoS), port mirroring, port settings, and message filtering to prevent broadcast storms.

✓ **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. Over 1 million hours MTBF and operating temperature of -40 °C to 60 °C.

HMS

Sixnet® SL-6RS-5SCL-D1 Managed 6-port Industrial Ethernet Switch

General

Net Weight (g)	294.8348
Packed Weight (g)	294.8348
Operating Temperature °C Min	-40
Operating Temperature °C Max	60
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	(non-condensing): 5 to 95% RH
Power Consumption (W)	0
Input Voltage (V)	10-30 VDC
Maximum Installation Altitude (m)	9144
Mounting	DIN rail mount (bracket included)
Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	5

Identification and Status

Product ID	SL-6RS-5SCL-D1
Country of Origin	Taiwan (Province of China)
HS Code	8517620000
Dual Usage	No

Physical Features

SD Card Slot	No

Sixnet® SL-6RS-5SCL-D1 Managed 6-port Industrial Ethernet Switch

Physical Features

Flash Drive	No
Contains Battery	No

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+ Hours
Vibration and Shock	Shock: IEC60068-2-27; Vibration: IEC 60068-2-6 and -27