



Sixnet® SL-6RS-1-D1 Managed 6-port Industrial Ethernet Switch

Item number: SL-6RS-1-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 your critical industrial applications. Pre-configured out of the box, saving you time and money. Six 10/100BaseTX RJ-45 ports.



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 high-performance ports to maximize network performance.
- ✓ **Flexible port configuration**
Six 10/100BaseTX RJ-45 ports.
- ✓ **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.

Sixnet® SL-6RS-1-D1 Managed 6-port Industrial Ethernet Switch



| General | |
|-----------------------------------|-----------------------------------|
| Net Weight (g) | 272.1552 |
| Packed Weight (g) | 272.1552 |
| 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-1-D1 |
| Country of Origin | Taiwan (Province of China) |
| HS Code | 8517620000 |
| Dual Usage | No |
| Physical Features | |
| SD Card Slot | No |

Sixnet® SL-6RS-1-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 |