



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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▶▶▶ SlimLine Plus Unmanaged Industrial Connectivity



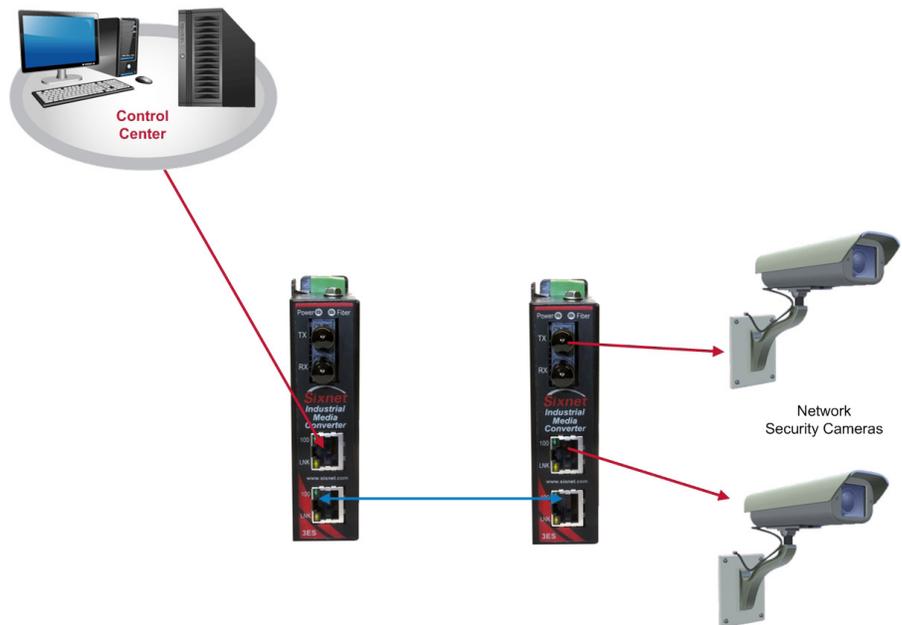
PRODUCT HIGHLIGHTS

- 2 fast Ethernet (10/100) ports
- 1 fiber optic (10/100BaseFX) port for distances up to 120km
- Slim DIN-rail packaging
- High performance and reliability
- Industrial-hardened design

APPLICATIONS

- Video & Security
- Transportation
- Oil & Gas
- Mining
- Maritime

The SLX-3ES is an Ethernet copper to fiber media converter that provides fast performance allowing for real-time operation in industrial networking applications. These ruggedized converters are industrial hardened to provide superior reliability. They require no user setup and immediately start operating as soon as they're powered up.



- **Provides plug-and-play simplicity**
- **Offers ease of use**
 - Fast wire-speed switching
 - Intelligent message routing
 - Auto-sensing for speed and duplex
 - Auto-mdi/mdix-crossover works with straight or crossed cables
 - Auto-polarity corrects for crossed signals
 - No user configuration required
 - Dual redundant power inputs
- **Supports deployment in extreme environments**
- **Provides high reliability in the toughest applications**
 - Ultra-reliable 1,000,000+ hours MTBF
 - -40 to 85°C operating temperature
 - Rugged corrosion-resistant metal enclosure
 - Hazardous locations for Class I, Div 2 and Zone 2

▶▶▶ SLX-3ES Industrial Ethernet Media Converter Specifications

- Type: Unmanaged
- Operation: store and forward wire-speed switching, non-blocking
- Modes: full or half duplex operation with flow control on all ports
- MAC addresses: 1,024
- Memory bandwidth: 3.2 Gbps
- Latency (typical): (plus frame time)
 - 5 uS for 100 Mbps
 - 16 uS for 10 Mbps
- Ethernet isolation: 1,500 Vrms 1 minute
- 2 RJ45 ports fully IEEE 802.3 compliant
- Speed (10/100) and duplex settings (full or half): auto-detecting or manually configurable
- Auto-MDI/MDIX-crossover automatically supports either straight or crossed cables
- Auto-polarity for automatic correction of crossed TD and RD pairs
- 1 100 Mbps fiber optic ports
- Connector style: SC or ST
- Multimode: links up to 4 km typical; use with 50-62.5/125 micron fiber
- Singlemode: links up to 120 km typical; use with 9/125 micron fiber
- Dual power inputs for redundant power
- Reverse polarity protection
- Input voltage range: 10 to 30 VDC
- Power consumption (typical with all ports linked and active): 3.0 W
- Transient protection: 15,000 W peak
- Spike protection: 5,000 W (10 times for 10 uS)
- Operating temperature: -40 to 85°C
- Cold startup: -40°C
- Storage temperature: -40 to 85°C
- Humidity: 5 to 95% RH (non-condensing; conformal coating optional)
- Shock and vibration: IEC60068-2-6 and -27
- Maximum Operating Altitude: 30,000 ft.
- Standards: IEEE 802.3, 802.3u, 802.3x, 802.1D/w, 802.1p and 802.1Q
- Electrical safety: UL508, CSA C22.2/14; EN61010-1, CE
- EMC: FCC part 15, ICES-003; EN610006-2/4, CE
- Hazardous locations: UL1604, CSA C22.2/213 (Class I, Div 2); EN60079-15 (Zone 2; Category 3), CE (ATEX)
- Marine/maritime/offshore rated per ABS
- NEMA TS-2 for traffic control systems
- MTBF: >2MM hours GB @ 40°C per MIL-HNDBK-217F2
- RoHs and WEEE compliant
- Material: corrosion-resistant aluminum
- Ingress protection: IP40
- Mounting: DIN-rail or direct-to-panel
- Weight: 6 oz (0.17 kg)
- Dimensions: 3" x 1" x 4.50" (7.62cm x 2.54cm x 11.43cm)

All specifications are subject to change. Contact Sixnet to learn more.

SLX-3ES-2SC	2 RJ45 ports and 1 multimode fiber SC, 4 km
SLX-3ES-2ST	2 RJ45 ports and 1 multimode fiber ST, 4 km
SLX-3ES-3SC	2 RJ45 ports and 1 singlemode fiber SC, 20+ km
SLX-3ES-3ST	2 RJ45 ports and 1 singlemode fiber ST, 20+ km
SLX-3ES-3SCL	2 RJ45 ports and 1 singlemode fiber SC, 40+ km
SLX-3ES-3STL	2 RJ45 ports and 1 singlemode fiber ST, 40+ km



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As the global experts in communication, monitoring and control for industrial automation and networking, Red Lion has been delivering innovative solutions for over forty years. Our automation, Ethernet and cellular M2M technology enables companies worldwide to gain real-time data visibility that drives productivity. Product brands include Red Lion, N-Tron and Sixnet. With headquarters in York, Pennsylvania, the company has offices across the Americas, Asia-Pacific and Europe. Red Lion is part of Spectris plc, the productivity-enhancing instrumentation and controls company. For more information, please visit www.redlion.net.

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