

▶▶▶ SlimLine Plus Gigabit Industrial Connectivity



PRODUCT HIGHLIGHTS

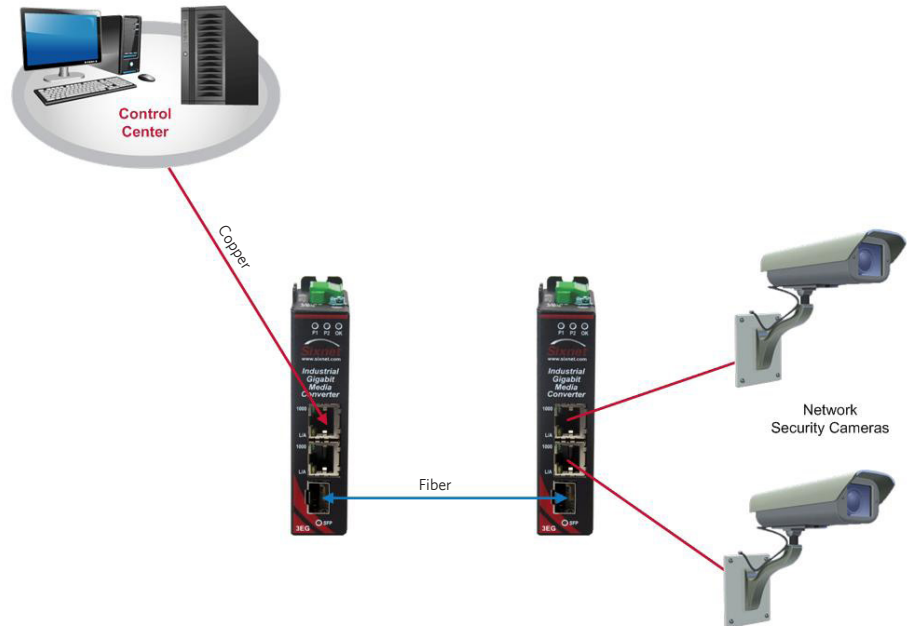
- 2 Gigabit Ethernet ports (10/100/1000)
- 1 Gigabit SFP port
- High performance and reliability
- Industrial-hardened design

APPLICATIONS

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

The SLX-3EG is a 3 port all Gigabit industrial Ethernet media converter that provides fast performance to enable real-time operation in industrial networking applications. With rugged packaging that offers superior reliability in the harshest of conditions, our easy-to-use converters require no user setup and immediately start operating upon power up.

APPLICATION SCENARIO: VIDEO & SECURITY



FEATURES & BENEFITS

Real-Time Ethernet Performance

- Provides plug-and-play simplicity
- Offers ease of use
 - All Gigabit ports
 - Flexible fiber configuration via SFP
 - 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

Rugged, Reliable Operation

- 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

SPECIFICATIONS

Ethernet Performance

- 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 μS for 100 Mbps
 - - 16 μS for 10 Mbps
- Jumbo frames: up to 10K
- Ethernet isolation: 1,500 Vrms 1 minute

RJ45 Copper Ports

- 2 RJ45 ports fully IEEE 802.3 compliant
- Speed (10/100/1000) and duplex settings (full or half): auto-detecting
- Auto-MDI/MDIX-crossover automatically supports either straight or crossed cables
- Auto-polarity for automatic correction of crossed TD and RD pairs

SFP Ports

- 1 SFP (pluggable) ports accept Mini-GBIC transceivers with speeds up to 1,000 Mbps
- See separate datasheet for fiber transceiver specifications

Power Input

- Dual power inputs for redundant power
- Reverse polarity protection
- Input voltage range: 12-48VDC
- 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 μS)

Environmental

- 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 & Compliance

- Standards: IEEE 802.3, 802.3u, 802.3x
- 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 compliance
- MTBF: >2MM hours GB @ 40°C per MIL-HNDBK-217F2
- RoHs and WEEE compliant

Mechanical

- 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)

Warranty

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

ORDER GUIDE

PART NUMBER	DESCRIPTION
SLX-3EG-1SFP	All Gigabit, 2 RJ45 ports and 1 SFP fiber port
GMFIBER-SFP-500	Gigabit SFP fiber transceiver, mm, 550 m
GMFIBER-SFP-2K	Gigabit SFP fiber transceiver, mm, 2 km
GSFIBER-SFP-10K	Gigabit SFP fiber transceiver, sm, 10 km
GSFIBER-SFP-30K	Gigabit SFP fiber transceiver, sm, 30 km
GSFIBER-SFP-50K	Gigabit SFP fiber transceiver, sm, 50 km
GSFIBER-SFP-80K	Gigabit SFP fiber transceiver, sm, 80 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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