

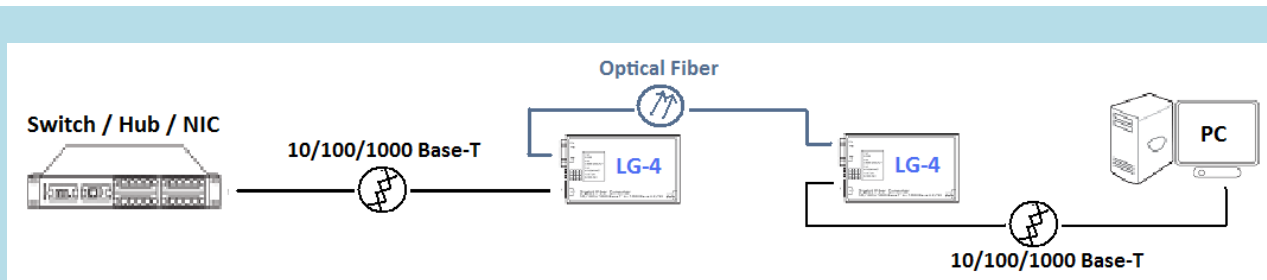
LG-4

10/100/1000Base-T to 1000Base-SX/LX

SFP Gigabit Fiber Media Converters



TYPICAL APPLICATION



PRODUCT DESCRIPTION

- **LG-4** series media converter provides an SFP slot for the 1000Base-SX/LX interface and an RJ-45 port (straight through and crossover) for 10/100/1000Base-T cable connection. The media conversion is accomplished and do not need any complex setting.
- **FIVE LEDs** indicate the detailed operating status of the converter for easier fault identification.
- **LG-4** series is provided in stand-alone unit and powered by external adaptor.

KEY FEATURES

- No need to adjust and set the configuration
- Support of full duplex transmission
- Support auto-negotiation
- 5 diagnostic LEDs (Power, Fiber Link, 10/100/1000 TP Link)
- The connection of SFP transceiver can be SC or LC forms with duplex fibers or single fiber (Bi-Directional) transmission
- RoHS Compliance

SPECIFICATIONS

IEEE Compliance	IEEE 802.3 10Base-T (Ethernet, 10 Mbps) IEEE 802.3u 100Base-TX (Fast Ethernet, 100 Mbps) IEEE 802.3z 1000Base-X IEEE802.3ab 1000Base-T (Gigabit Ethernet, 1000 Mbps)
TP Interface	10/100/1000Base-T supported RJ-45 port
TP connectivity	Up to 100 m with Cat. 5 cable
Fiber Interface	SFP slot with the support of 1000Base-SX/LX
Fiber Connectivity	Up to 550 m with 50/125 or 62.5/125 μ m multimode fiber Up to 70 km with 9/125 μ m single-mode fiber (Longer distance, on request)
LED Indicators	Power, Fiber Link, 10/100/1000 TP Link
Power Supply (Stand-alone Unit)	Input: 100 ~ 240 VAC 50 ~ 60Hz, Output: 5 VDC, 2 A
Dimensions & Weight	Stand-alone unit: 102 mm X 63.6 mm X 21.4 mm; 340g
Operating Temperature	Main unit: 0 ~ 70°C; Power adaptor: 0 ~ 40°C
Operating Humidity	10% ~ 90% RH (non-condensing)
Electromagnetic Compliance	FCC Class A, CE Class A



LG-4 10/100/1000Base-T to 1000Base-SX/LX SFP Gigabit Fiber Media Converters

Access Technologies ... FTTX, IP Digital Surveillance Networking



LG-4 Ordering Information

■ Operating in Dual Strand, Multi Mode				
Ordering Code: LG-4-C1C2C3C4				
C1	C2	C3	C4	
			Unit type	
			S= Stand Alone	
		Fiber Interface		
		6: LC (Duplex)		
Distance				
S: 550 m				
Mode				
M: Multi Mode				

■ Operating in Dual Strand, Single Mode				
Ordering Code: LG-4-C1C2C3C4				
C1	C2	C3	C4	
			Unit type	
			S= Stand Alone	
		Fiber Interface		
		6: LC (Duplex)		
Distance				
A: 10 km		S: 30km	V: 70km	
Mode				
S: Single Mode				

■ Operating in Single Strand, Single Mode and BiDi Transmission				
Ordering Code: LG-4-C1C2C3C4				
C1	C2	C3	C4	
			Unit type	
			S= Stand Alone	
		Fiber Interface		
		9: SC (TX=1310 nm)	7: LC (TX=1310 nm)	
A: SC (TX=1550 nm)	8: LC (TX=1550 nm)			
Distance				
A: 10 km	C:20km	M:40km		
Mode				
S: Single Mode				

Ordering Examples

Model Number	Description			
LG-4-MS6S	Dual strand	multimode fiber,	550m,	Duplex LC interface
LG-4-SA6S	Dual strand	single-mode fiber,	10 km,	Duplex LC interface, Tx: FP-1310 nm
LG-4-SC9S	Single strand	single-mode fiber,	20km,	BiDi-SC interface, Tx: FP-1310 nm
LG-4-SCAS	Single strand	single-mode fiber,	20km,	BiDi-SC interface, Tx: FP-1550 nm
LG-4-SC7S	Single strand	single-mode fiber,	20km,	BiDi-LC interface, Tx: FP-1310 nm
LG-4-SC8S	Single strand	single-mode fiber,	20km,	BiDi-LC interface, Tx: DFB-1550 nm
LG-4-SM9S	Single strand	single-mode fiber,	40km,	BiDi-SC interface, Tx: DFB-1310 nm
LG-4-SMAS	Single strand	single-mode fiber,	40km,	BiDi-SC interface, Tx: DFB-1550 nm
LG-4-SM7S	Single strand	single-mode fiber,	40km,	BiDi-LC interface, Tx: DFB-1310 nm
LG-4-SM8S	Single strand	single-mode fiber,	40km,	BiDi-LC interface, Tx: DFB-1550 nm
LG-4-SS6S	Dual strand	single-mode fiber,	30km,	Duplex LC interface, Tx: DFB-1310 nm
LG-4-SV6S	Dual strand	single-mode fiber,	70km,	Duplex LC interface, Tx: DFB-1550 nm

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