

Hardened 10/100Base-TX to 100Base-FX (SC/ST/SFP) Ethernet Media Converter



www.e-linkchina.com



Model: LNK-GY1100 Series

Overview

LNK-GY1100 series of Industrial Media Converter are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments.

Eliminate EMI and RFI issues or overcome distance limitations with copper based cabling by using the Industrial Media Converter to convert your copper based equipment over to fiber optics. The media converter can connect to either 10Base-T or 100Base-TX ports and provides a 100Base-FX fiber optic connection for links up to 120 km.

E-link LNK-GY1100 is a high-speed 10/100Base-TX Industrial Ethernet Media Converter, easy to connect server, repeater, switch, device to device, Can satisfy customers require for long distance, high speed, wide broadcast. LNK-GY1100 supports 1 TP ports and 1 fiber ports. TP (RJ45) support 10/100Base-T(X), Full/Half duplex mode, and auto MDI/MDI-X connection;100Base-FX supports single-/multi-mode, SC/ST connector, SFP Slot optional. LNK-GY1100 adopts industry standard design, IP40 protection, power supply input 24VDC (12~48VDC), -40 to 80°C working temperature.

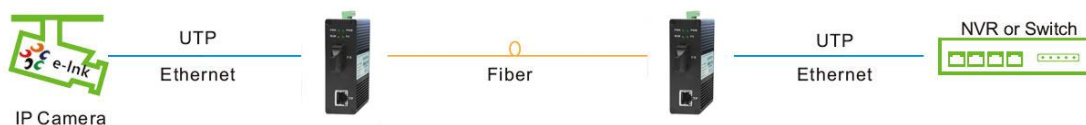
Features

- Converts 10/100Base-TX to 100Base-FX
- IEEE802.3/802.3u/802.3x,store and forward
- Plug-and-play, easy to installation
- 10/100M, F/H duplex, MDI/MDI-X auto negotiation
- Designed for industrial applications. IP40 protection, Aluminum Alloy
- Extensive LED indicators for network diagnostics
- Environmentally hardened -40°C to 80°C (-40°F to 176°F) operating temperature

Warranty

- 5-Year Warranty

Typical Application



Technical Indexes

Ethernet	
Standards:	IEEE802.1 10Base-T, IEEE802.3u 100Base-TX
	IEEE802.3 100Base-FX
	IEEE802.3X Flow Control
Processing Type:	Store-and-Forward
	Half-duplex, Full-duplex
Forward Filter Rate::	148,800pps (100Mbps)
Cabling:	100Base-TX: Cat5 or above
Maximum	Cat5 UTP up to 100m

Distance:	
Connector:	1x RJ45
Optical Port:	100Base-FX ports (SC/ST/FC/LC connector, SFP Slot, optional)
Environmental	
Operating Temperature:	-40°C to 80°C (-40°F to 176°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF:	> 300,000 hrs
Electrical and Mechanical	
Input Power:	24VDC (12~48VDC, 4-Pin Terminal Block)
Power Consumption:	12W Max. 0.5A@24VDC
LED Indicators	
PWR:	Power Status
RUN:	Link/Activity, Speed
FX:	Link/Activity
Dimensions (WxDxH):	78 x 98 x 32mm
Weight:	270g
Casing:	IP40 Protection, Aluminum Case
Mounting Options:	Din-Rail mounting, Wall mounting
Regulatory Approvals	
Safety: UL 60950-1	
EMS:	
<ul style="list-style-type: none"> • IEC(EN)61000-4-2(ESD): $\pm 8\text{kV}$ Contact Discharge, $\pm 15\text{kV}$ Air Discharge • IEC(EN)61000-4-3(RS): 10V/m(80~1000MHz) • IEC(EN)61000-4-4(EFT): Power line: $\pm 4\text{kV}$; Signal Cable: $\pm 2\text{kV}$ • IEC(EN)61000-4-5(Surge): Power line: $\pm 4\text{kV}$ CM/$\pm 2\text{kV}$ DM; Signal Cable: $\pm 2\text{kV}$ • IEC(EN)61000-4-6: 3V(10kHz~150kHz),10V(150kHz~80MHz) • IEC(EN)61000-4-16: 30V cont. 300V,1s • IEC(EN)61000-4-8 	
EMC: EN61000-4-8	
Shock: IEC 60068-2-27	
Free Fall: IEC 60068-2-32	
Vibration: IEC 60068-2-6	
EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A	
Industry: IEC61000-6-2	
Rail: EN50155, EN50121-4	
Traffic: NEMA TS-2	

Ordering Information

Model	Description
LNK-GY1100-SFP	Hardened 10/100Base-TX to 1000Base-FX SFP Ethernet Media Converter
LNK-GY1100	Hardened 10/100Base-TX to 1000Base-FX SC Ethernet Media Converter, MM 2KM
LNK-GY1100T	Hardened 10/100Base-TX to 1000Base-FX ST Ethernet Media Converter, MM 2KM
LNK-GY1100S-20	Hardened 10/100Base-TX to 1000Base-FX SC Ethernet Media Converter, SM 20KM
LNK-GY1100T-20	Hardened 10/100Base-TX to 1000Base-FX ST Ethernet Media Converter, SM 20KM
SFP Options:	<ul style="list-style-type: none">▶ (S) = SFP option. Please select your SFP option on our SFP Options page.▶ SFP module is to be purchased separately.
Mounting Options:	<ul style="list-style-type: none">▶ Default DIN-Rail Bracket installed, Wall Mount Bracket is included.
Power Options:	<ul style="list-style-type: none">▶ 24W/1A 24VDC Power Supply. Open Wire for Terminal Block;▶ Power Supply is to be purchased separately.