

IEEE 802.3af/at 1-Port 10/100M DIN-Rail Mount PoE Industrial Ethernet-to-fiber media converter



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## **Model: LNK-GY1100P Series**

### **Overview**

LNK-GY1100P series Industrial Ethernet-to-fiber media converters provide 1-port Ethernet media conversion from 10/100BaseT(X) to 100BaseFX (with FC, SC, ST or SFP connectors). These switches are classified as power source equipment (PSE), and when used in this way provide up to 15.4 watts to IEEE 802.3af (or 25.5 watts to IEEE 802.3at) compliant powered devices (PDs), eliminating the need for additional wiring. The LNK-GY1100P converters support IEEE 802.3/802.3u/802.3x with 10/100M, full/half-duplex, and MDI/MDI-X auto-sensing, providing a complete solution for your industrial Ethernet network. In addition, the built-in relay warning function alerts network engineers when power failures or port breaks occur.

## Features

- Comply to IEEE 802.3 10Base-T, IEEE802.3u, 100Base-TX/FX, 1000Base-TX/FX
- Provide a singlemode /multimode optical port and 10/100M RJ45 port, support for Full/half duplex mode and auto MDI/MDI-X connection
- Comply to IEEE 802.3af/at, provide power for the IP cameras over Ethernet
- Dynamic LED indicator, display the current operating status, providing a simple working condition and troubleshooting tips
- Adopt IEEE 802.3x Standard full-duplex flow control, with standard duplex Backpressure flow control
- -40°C to 80°C operating temperature range
- Designed for industrial applications. IP40 protection, Aluminum Alloy

## Technical Indexes

Parameter	Specifications
Standard	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX (Fast-Ethernet) IEEE 802.3x for Flow control IEEE 802.3af PoE specification (up to 15.4 Watts per port for P.S.E.) IEEE 802.3at PoE specification (up to 25.5 Watts per port for P.S.E.)
RJ45 Port	1x10/100Base-T, Auto-negotiation, Full/Half Duplex, Auto-MDI/MDIX, on copper cable of cat5 with operation distance of less than 100 meters.
Fiber Ports	1x100Base-FX ports (SC/ST/FC/LC/SFP connector, optional)
Transmission	Twisted pair: 100M (Standard CAT5/CAT5e cable) Multi mode fiber: 1310nm, 2km Single mode fiber: 1310nm, 20/40/60Km 1550nm, 20/40/60/80/100/120Km
Wavelength	850nm, 1310nm, 1550nm
Power Input options	Input Voltage: 48V DC (46~50VDC), Redundant power input Overload Current Protection Support dual power backup Support dual power alarm input Connection: 6 pin terminal
Environmental Limits	Operating Temperature: -40°C to +80°C Storage Temperature: -45°C to +85°C Relative Humidity: 5% to 95% (non-condensing)
Mechanical Dimension	Dimensions: 61 x 120 x 140 mm House Protection: IP40 protection, Aluminium Alloy Installation: DIN-Rail or wall mounting Weight: 730g
Approvals	EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A EMS:

	<ul style="list-style-type: none"> <li>• EN61000-4-2 (ESD) , Level 3</li> <li>• EN61000-4-3 (RS) , Level 3</li> <li>• EN61000-4-4 (EFT) , Level 3</li> <li>• EN61000-4-5 (Surge), Level 3</li> <li>• EN61000-4-6 (CS) , Level 3</li> <li>• EN61000-4-8, Level 3</li> </ul> <p>Shock: IEC 60068-2-27          Free Fall: IEC 60068-2-32          Vibration: IEC 60068-2-6</p>
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## Ordering Information

Model	Description
<b>LNK-GY1100P</b>	1xRJ45, 1xSC, 10/100Mbps, IEEE802.3at, POE+ power: 25.5W, MM Dual Fiber, 2KM, standalone, Support DIN-Rail mounting and Wall mounting installation, 48VDC(48~60V DC) power input
<b>LNK-GY1100P-20</b>	1xRJ45, 1xSC, 10/100Mbps, IEEE802.3at, POE+ power: 25.5W, SM Dual Fiber, 20KM, standalone, Support DIN-Rail mounting and Wall mounting installation, 48VDC(48~60V DC) power input