



Datenblatt - Fiche technique - Data sheet

**21.13.1069**



ROLINE Gigabit Konverter, RJ-45 - LC (inkl. mini-GBIC)

ROLINE Convertisseur Gigabit, RJ-45 - LC (avec module mini-GBIC)

ROLINE Gigabit Converter, incl. mini GBIC, RJ45 to LC



## 1000Base-T to 1000Base-X Gigabit Media Converters

### Product Highlights:

- Full wire speed performance
- SFP flexibility
- Low power consumption
- Optional Din-Rail mounting
- Center Chassis installation support
- Options for Bi-Di communication
- Options for CWDM

The Gigabit media converter is designed to convert 1000Base-T signals to/from 1000Base-X fiber signals. It is used to extend the connection distance between two Gigabit Ethernet devices via fiber cable transparently with no performance degradation.

With the SFP (Mini-GBIC) connector design, the media converter not only supports existing variety of multimode and single mode fibers, but also preserves the flexibility to adapt to any change of your fiber network in the future. It also supports center chassis installation with optional power redundancy and management features when a larger fiber network is required. With pre-configured fiber transceivers, the converter also can support Bi-Di WDM and CWDM fiber network applications.

### Key Features:

- Comply with IEEE 802.3ab 1000Base-T, 802.3z 1000Base-SX/LX standard
- Provide direct media conversion for Gigabit copper and Gigabit fiber
- Support full wire speed conversion
- Support transparent conversion of any packet types with no packet length limitation
- Support auto-negotiation with link partners
- Provide link pass through between copper and fiber link
- Provide SFP on fiber port for mounting variety of fiber options
- Support optional Din-Rail installation
- Support center chassis installation to achieve the advantages of central power, optional power redundancy and management
- Ideal solution for multimode, short reach up to long reach single mode fiber, Bi-Di and CWDM applications

### Specifications:

Standard	IEEE 802.3ab, 802.3z
Copper Port	Shielded RJ-45, 1000Mbps, Auto-negotiation capable, Auto-MDI/MDI-X
Fiber Port	SFP connector with pre-configured SFP fiber transceiver Far End Fault support
Network Cables	Copper port: Cat.5e recommended or higher up to 100m Fiber port: MMF 50/125µm, 62.5/125µm, SMF 9/125µm
LED Indication	Power status, SFP On status, Link status, Optical link status
Mounting	Desktop, Wall, Din-Rail (optional), Center chassis
Center Chassis	Up to 16 units in one rack chassis with one central power Support optional power redundancy and management
Power Input	+5 ~ +12VDC (+/-5%) Consumption 2W max.@7.5V
Environment	Operation Temperature: -5°C ~ 55°C Storage Temperature: -20°C ~ 85°C Relative Humidity: 10% ~ 90% non-condensing



### Ordering Informations:

Model	Fiber			Distance
	No SFP Transceiver			
21.13.1069	LC	850	50/125 62.5/125	500m 200m

Dimension 108 x 72.5 x 23 mm (WxDxH)

Approval FCC Class B, CE mark, CISPR 22 Class B

### Fiber Ordering Informations:

Model	Fiber Port	Wavelength	Tx Power	Rx Sens.	Rx Max.
21.13.1069	LC MMF	850nm	-9.5 ~ -4dBm	-18dBm	-1dBm



FCC Part 15, Class B  
CISPR 22 Class B