

GIGABIT ETHERNET MEDIA CONVERTER



Gigabit 1000 BaseT Ethernet

The LEMO Gigabit Ethernet to fibre media converter has been designed to ensure reliable conversion in harsh environments. A pair of media converters enables the conversion of signals from Gigabit Ethernet copper networks to fibre optics and vice-versa.

Converting to fibre allows the signal to be transmitted over a long distance without loss of quality.

The advantages are immunity to electromagnetic interference and increased security for sensitive information.

Advantages

- Singlemode fibre
- High shock and vibration resistance
- Watertight IP68
- Reliable and secure, difficult to tap into signal
- Easy to deploy and operate
- Can be configured to either 100 BaseTX or 1000 BaseT
- LED indicators showing link status and activity
- Conforms to IEEE 802.3

Applications

- Traffic light signals / smoke and fire alert
- Remote surveillance / video security
- Military and industrial environment

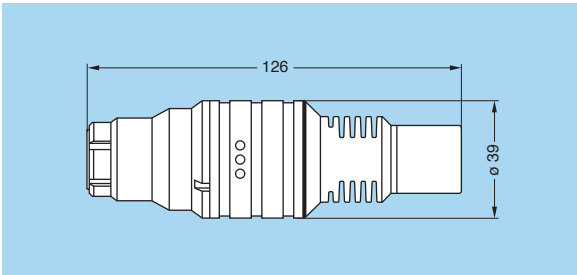


Technical and Environmental characteristics

Characteristics	Values
Fibre type	Singlemode 9/125 µm
Wavelength	1310 nm (typical)
Temperature range	-20°C to +85°C
Electrical input	100/1000 BaseT Ethernet, 5V supply (130 mA)

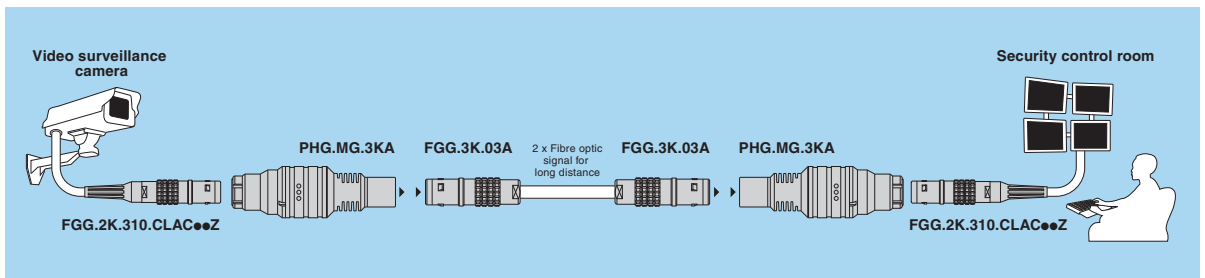
Characteristics	Values
LD optical output	250 µW (typical)
Photodiode sensitivity	-26 dbm to -5 dbm
Data rate	1.25 Gbps (max.)

PHG.MG.3KA.CP2K10 Gigabit converter with fibre optic socket and 2K series socket



Mating connector optical side	Mating connector electrical side
FGG.3K.03A.CLZT••Z	FGG.2K.310.CLAC••Z

Note: replace •• by the cable diameter required (consult factory).



LEMO HEADQUARTERS

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