



RLH Industries, Inc.

PRODUCT INFORMATION

The leader in
fiber optic
telecommunications
technology.

R2009B-101309

ETHERNET OVER FIBER

The RLH Ethernet Over Fiber system is a multifunction converter that supports up to 1Gbit Ethernet communications over fiber optic cable. Fiber optics not only provide the long distance Ethernet transmission capability up to 24.8 Miles (40km), but also provide immunity to EMI/RFI and transient surges. They are ideal for data communications near large electrical equipment or where radio interference can be an issue.

Choose between standard 10/100Mbit, and high speed 10/100/1000Mbit models.

The Ethernet converter converts between 10/100/1000BaseT(X) and 1000Base FX segments of the same network. The converter supports Link Fault Pass-through (LFP) for easily tracing network link failures, and the LFP function enhances the integrity and conformity of TP-to-Fiber linking to make the network easier to maintain.

It is powered by an external 5VDC power supply that plugs into the back. Low cost power supplies are available for 115VAC, 24VDC or 48VDC sources. To power multiple units, or for additional powering options, see our DIN mount power supply products.

10/100/1000M



RLH 10/100M Ethernet Over Fiber Converter

Standard Features

| | |
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| Compact, low cost Ethernet data over fiber solution | Auto sensing for 10/100/1000M speeds on TP connections |
| Available with ST, SC or FC connectors | DIN Rail and wall mountable |
| Available in Single or Multi-mode fiber; up to 24.8mi /40km fiber range | IEEE802.3x compliant for full-duplex, back pressure flow control for half-duplex |
| Convenient LED Status monitoring | Transparent to 802.1Q VLAN tagged packets |
| Powering options include 115VAC, 24VDC or 48VDC. 5VDC power supply included. | Store and forward mode/transparent transfer mode selectable by DIP switch |
| Eliminates EMI, RFI, cross talk or ground loop issues | User accessible settings for TP port configuration, disabling link fault pass-through function |
| Built-in surge, static and circuit protection | CE/FCC certified |
| Wide operating temperature range -40°F - 185°F (-40°C - 85°C) | Exclusive Unconditional Lifetime Warranty |

**ETHERNET
OVER FIBER**

The RLH Ethernet Over Fiber system is fully IEEE802.3u 10/100/1000Base-Tx, 1000 Base-Fx compliant. They may used as a pair, or individually to connect copper Ethernet networks directly to a 100/1000FX fiber network by setting the duplex mode to match the remote fiber partner.

The converters are shipped as a unit, containing an Ethernet over fiber converter, wall and DIN rail mounting, low cost power supply (if ordered) and user instructions.



RLH Ethernet over fiber converter with DIN rail mount

Ordering Information

Ethernet Data Over Fiber Part Number Matrix

RLH - ED - S1 ST - 1 A - 01

Manufacturer

Product Designation

Fiber Type

MM = Multimode, 2km distance
S1 = Single Mode, 25km distance
S2 = Single Mode, 40km distance

Fiber Connector Style

ST = ST Connector
SC = SC Connector
FC = FC Connector

Model Designation

Powering Option

N = Power supply not included
A = 115VAC power supply
U = 24VDC power supply
V = 48VDC power supply

Ethernet

1 = 10/100M
2 = 10/100/1000M

Example: RLH-ED-MMST-1N-01

10/100 Ethernet Data over Fiber Converter, multimode fiber, ST connector, 10/100M ethernet, power supply not included.



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Please contact your RLH sales representative for pricing and delivery information.

Specifications subject to change without notice.