



POF USB ETHERNET ADAPTER

DM-USB FAST ETHERNET

The future of networking is here

The DiMoto DM-USB is a high performance Plastic Optical Fibre (POF) USB Ethernet Adapter. The unit permits USB-enabled desktop, laptop or notebook computers, running Windows, Linux or MAC OS to be interfaced into an Ethernet over Plastic Optical Fibre (EoPOF) network.

The plug-and-play compatible adapter attaches to your computer's USB port via the supplied USB cable and features the Optolock® POF connector for plugless termination of bare plastic optical fibre.

EoPOF Overview

Ethernet over Plastic Optical Fibre is a simple, secure and high performance alternative for commercial, residential and industrial networking applications, delivering 100Mbps at over 70 meters.

All Dimoto's products incorporate a plugless termination system, enabling bare POF to be cut to length on-site and securely terminated in seconds.

EoPOF is an ideal solution for new, retrofit and temporary installations. The ability to install alongside power and route inconspicuously along walls and under carpets significantly reduces deployment time and cost, while the do-it-yourself simplicity empowers end users to continue to expand and modify their networks.

EoPOF networks can also be confidently deployed where electrical noise, ground potential variations or lightning is of concern.



DiMoto's POF USB Ethernet Adapter: DM-USB.

PRODUCT FEATURES

- **Terminate in seconds:** POF can be cut to length on-site and terminated in seconds with a plugless termination system.
- **Space saving:** POF is one quarter of the size and one third of the weight of CAT5 - simplifying handling and ideal for congested ducts and cable trays.
- **Simple and safe:** RCLED light sources are certified eye safe and operation in the visible (red) region simplifies debugging and fault detection activities.
- **Data Integrity:** EoPOF is immune to the effects of electrical noise, ground potential variations and lightning induced voltage spikes on data lines.
- **High bandwidth:** utilises USB2.0 high-speed technology to deliver powerful 100Mbps network performance.
- **USB Powered:** draws power from USB connection.
- **O/S compatibility:** seamless integration with Windows, MAC OS X, Linux.

**Ethernet over Plastic Optical Fibre:
See the world of networking in a whole new light.**



PRODUCT SPECIFICATIONS

Network Port

100BaseFX OptoLock® POF Port

USB Port

USB Type B Socket

Standards Compliance

IEEE 802.3u 100BASE-FX

IEEE 802.3x Full Duplex and Flow Control

USB 2.0 High Speed

Optical Specifications

Source Type: RCLED

Wavelength: 660 nm nominal (Red)

Max. Tx Output: -2.0dBm

Min. Tx Output: -8.5dBm

Min Rx Sensitivity: -24dBm

Max Rx Sensitivity: -28.0dBm

Min Optical Link Budget: 15.5dBm

Max Distance: 70m (recommended and dependent on fibre)

Environmental Specifications

Operating Temperature: 0 to 40°C (32 to 104°F)

Storage Temperature: -20 to 85°C (-4 to 185°F)

Operating Humidity: 5% - 90% RH non condensing

Mechanical Specifications

Dimensions (WxH): 100mmx28mmx23mm

Weight: 60g

Operating System Drivers

(see website for complete list)

Windows Series

Linux

MAC OS

Regulatory Approvals

Safety (LED Source): IEC/EN 60825-1

EMI, EMC: CE, FCC, C Tick

Warranty

12 Months

Package Contents

1x POF USB Ethernet Adapter

1x Device Driver CD

1x USB Cable (Type A - Type B)

1x Installation Guide

1x Warranty Card

1x POF Cutting Tool

DiMoto Related Products

DM-MC01: POF Slimline Media Converter

DM-PCI: POF PCI Network Card

DM-1001-C: POF Media Converter

DM-1002-C: POF Media Converter/Switch

DM-1004-C: 4-Port POF Network Switch

DM-1008-C: 8-Port POF Network Switch

DM-CUTTER: POF multipurpose cutting tool

Fibre Optic Cable

Order Information

DM-PCI-OPT

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DiMoto Pty Ltd designs, develops and markets Ethernet over Plastic Optical Fibre (EoPOF) networking devices and solutions worldwide.

DiMoto is a member of the leading Plastic Optical Fibre body, the Plastic Optical Fibre Trade Organization (POFTO).

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