DI MOTO
TECHNOLOGY IN MOTION

DESKTOP 1 PORT and 2 PORT MEDIA CONVERTER

The future of networking is here.

Ethernet over Plastic Optical Fibre is the next generation of networking and cabling technology, promising superior quality of service, easy installation and significant cost savings.

Ethernet over Plastic Optical Fibre (EoPOF) is the latest innovation to emerge for high-volume Ethernet applications in the home and office.

DiMoto's Desktop 1 Port and 2 Port Media Converter enables your data to be transferred between devices using Plastic Optical Fibre over an Ethernet network. (See overleaf for product specifications.)

The sleek and robust media converter simply plugs into POF cable with zero configuration, providing instant connection to Fast Ethernet of 100Mbps over Plastic Optical Fibre.

For homes and offices upgrading or expanding computer networks, home theatres or home automation, Plastic Optical Fibre offers significant cost savings and product advantages.

POF offers all of the quality of service benefits of glass optical fibre at a fraction of the cost to purchase and install.

Compared to copper cabling, POF is easier and safer to install: the plastic cable can be laid next to power sources; it is thin and flexible for ducting, running along a wall or under carpet; and household scissors can be used to terminate connections with no specialist equipment or expertise required*.

POF cable is non conductive, keeping your connections safe from lightning strike. And because EoPOF is immune to the radiation present in today's homes and offices, data corruption and downtime due to electrical interference is no longer an issue.

With EoPOF, quality of service is practically guaranteed for your computers and home theatres. Now your home and office can benefit from the quality, service and reliability of Ethernet over Plastic Optical Fibre.

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

DiMoto's EoPOF 1 Port and 2 Port Media Converters: DM-1001 (top) and DM-1002 (bottom).

PRODUCT FEATURES

• **Ethernet over Plastic Optical Fibre connectivity:** the connectorless system links your devices quickly and easily to all the operating benefits of Plastic Optical Fibre.

• **Compatibility:** enables the connection of any 10/100 copper Ethernet device to be connected to an EoPOF network.

• **Dual fibre support:** allows daisy-chaining of devices to extend your network.

• **High bandwidth:** powerful performance up to 200Mbps, supporting all current and future Triple Play services.

• **Simple, safe connection test:** a 650nm red LED, safe to the naked eye, signals a connected device.

• **Safe from lightning strike:** Plastic Optical Fibre does not conduct electricity, keeping your devices safe from being destroyed by power surge via the network cable.

• **Space saving:** combined with the ultrathin POF cable, the sleek media converter saves on desktop and cable clutter.

• **Plug and play:** simply turn on the power and plug in the fibre for instant migration to the reliability and performance of EoPOF.

• **Affordable access:** places the latest networking technology at your fingertips.

PRODUCT SPECIFICATIONS

Network Ports
DM-1001: One Fibre Port and One UTP Port
DM-1002: Two Fibre Ports and One UTP Port
OPT: OptoLock® Connectorless System

Standards Compliance
IEEE 802.3u 100BASE-FX Fast Ethernet
IEEE 802.3x Full Duplex and Flow Control

Performance Specifications
Link Down Detect
Internal Backplane Bandwidth: Full wire speed on all ports simultaneously
Maximum Distance: 100 metres with 0.3NA POF
Frame Memory: 128KB
Address Table: 2048

Optical Characteristics
Type: LED
Wavelength: 650 nm nominal (Red)
Maximum Output Power: -2.0 dBm
Minimum Output Power: -8.5 dBm
Sensitivity: -24.0 dBm
Maximum Input Power: -2.0 dBm

Environmental Specifications
Operating Temperature: 0˚C to 40˚C
Storage Temperature: -20˚C to 85˚C
Operating Humidity: 90% RH non condensing
Storage Humidity: 95% RH non condensing

Status LEDS
Power: Red
Link: Yellow
Activity: Green

Power
DM-1001: 1.5W 12VDC @ 0.15A
DM-1002: 2W 12VDC @ 0.2A

Mechanical Specifications
All Metal Enclosure
DM-1001 Dimensions (WxDxH): 100mmx65mmx30mm
        Weight: 250g
DM-1002 Dimensions (WxDxH): 100mmx65mmx30mm
        Weight: 250g

Regulatory Approvals
CE
FCC
C Tick

Warranty
12 Months

Package Contents
1x Media Converter
1x Installation Guide
1x Warranty Card
1x Power Adapter
4x Rubber Feet

DiMoto Related Products
DM-PCI: POF PCI Adapter
DM-1004: 4 Port Network Switch
DM-1008: 8 Port Network Switch
DM-USB: POF USB Adapter
Fibre Optic Cable 0.3NA

Order Information
DM-1001-C-OPT
DM-1002-C-OPT