



ETHERNET over PLASTIC OPTICAL FIBRE

The future of networking is here.

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

DiMoto offers a range of Ethernet over Plastic Optical Fibre (EoPOF) media converters, switches and adapters. All DiMoto's products incorporate a plugless connector system, enabling bare fibre to be *cut to length on-site and securely terminated in seconds*.

For system integrators and installers, EoPOF can be confidently deployed where electrical noise, ground potential variations or lightning is of concern. Issues associated with installation and termination of shielded twisted pair, data line protection devices and glass optical fibre are avoided.

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

DiMoto leads in the development of innovative EoPOF products which are designed to offer reliable, hassle free, long term performance.

Cut & finish, split, insert, lock - with no specialised training required, you are ready to experience the reliability and simplicity of POF.



DiMoto's product range includes media converters, adapters and switches

DiMoto Product Benefits

- **Quick and simple to terminate:** Plastic optical fibre can be cut to length on-site and the bare fibre terminated in seconds.
- **Guaranteed data integrity:** EoPOF is immune to the effects of electrical noise, ground potential variations and lightning induced voltage spikes on data lines.
- **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 operation:** Certified eye safe LED light sources. Operation in the visible (red) region simplifies debugging and fault detection activities.
- **Reliable performance:** high reliability LED light sources, quality electronic design and components ensure reliable, long term performance.
- **Industrial Options:** DiMoto offers an industrial option with 12 - 48 VDC screw terminal block power connectors, redundant power input, wide temperature range, IP30 metal enclosure and DIN rail mounting option.

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

Adapters

DiMoto's Adapter Range is specifically designed for seamless connection of computers, laptops and notebooks onto EoPOF networks.

POF USB Ethernet Adapter (DM-USB): Instant connection to EoPOF network through USB port. USB 2.0 for full 100Mbps performance.

POF PCI Card (DM-PCI): Ideal for PCs and servers. Driver support for Windows, Mac and Linux.



Media Converters

DiMoto's media converter range is designed for interfacing standard copper based peripherals to a high performance EoPOF network and creating robust point-to-point POF data links.

Slimline POF Media Converter (DM-MC01): Small and sleek with one POF port and one 10/100 copper port. A USB cord allows power to be optionally drawn directly from a spare USB port.

POF Media Converter (DM-I001): One POF port and one 10/100 copper port. Ideal for creating robust point-to-point links. Industrial version available. 5 year warranty.

POF Media Converter/Switch (DM-I002): Two POF ports and one 10/100 copper port. Provides both switch and media converter functionality. Ideal for daisy-chaining multiple copper Ethernet devices such as IP cameras. Industrial version available. 5 year warranty.



Network Switches

DiMoto's switch range provides opportunity to extend and create comprehensive EoPOF networks.

POF 4 and 8 Port Switch (DM-I004, DM-I008): Four and Eight POF ports respectively. Full speed on all ports simultaneously. Industrial version available. 5 year warranty.



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DI MOTO
TECHNOLOGY IN MOTION

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).