

# Product – Information

## OMC 100 SDA

### Optical Media Converter – Fast Ethernet Power Adapter



Polymer Optical Fibre (POF) to RJ45

OMC 100 SDA – 150 for POF cable 1,5mm  
OMC 100 SDA – 220 for POF cable 2,2mm



POF to RJ45



Optical Link



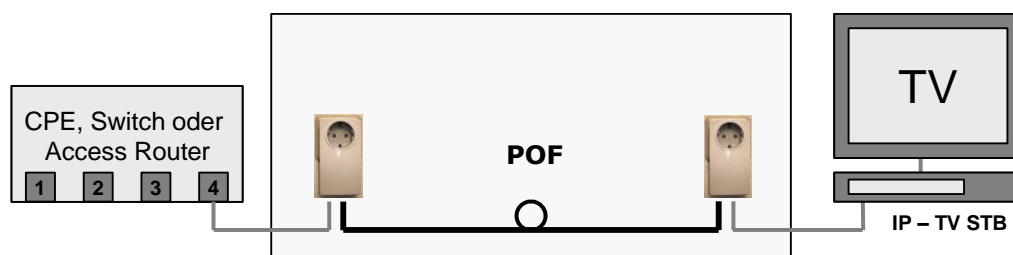
Installation Kit

#### Performance:

- easy installation with slim POF cable
- robust, reliable & radiation free
- visible light for Optical Function Control

#### Applications:

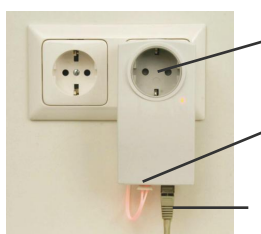
- IP – TV, Multimedia & Home Networking
- Media Center and Audio-Video Streaming
- for Local Area Networks & Office



**With ESKAMEGA™ applicable for 100 Mbps up to 70m**

With the POF media converter you can easily install a stable, radiation free and robust Ethernet data link or home network. From an electrician the POF cable can be easily passed into the existing electrical duct system for main power of your home or small office, no stemming, no drilling. For the do it yourself installation outside the wall the slim POF cable can be hidden easily behind door frames or the base board or under the carpet.

Since the data transfer is using red visible light (typ. 650nm) the connection can be easy approved visually.

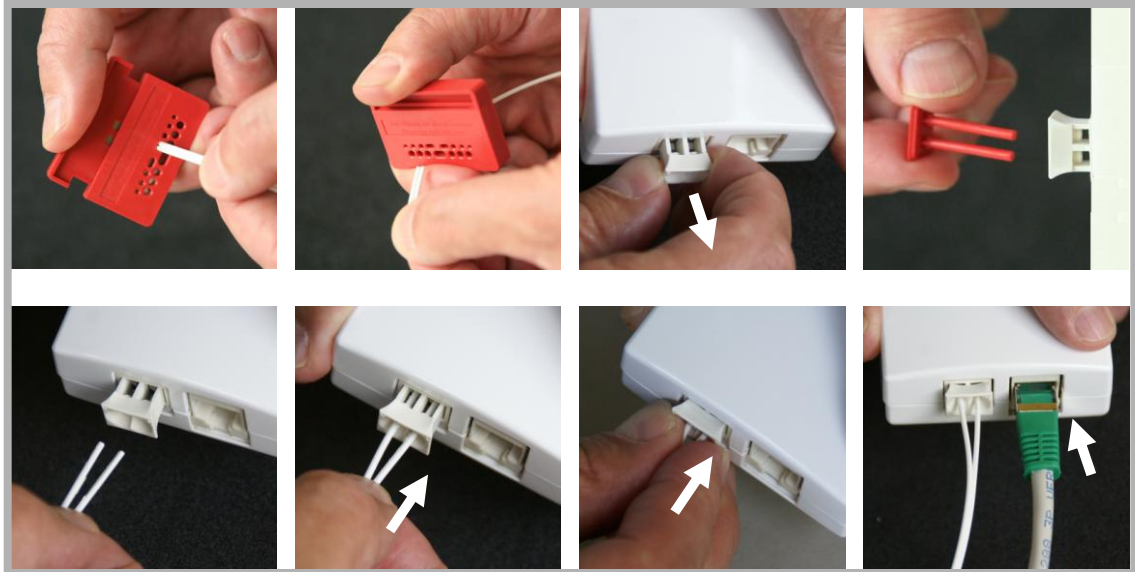


**No loss of power socket. Main power socket and power supply is integrated in the media converter!**

**Direct termination of POF cable – no optical connector**

**No cables and power supplies hanging around, everything is arranged and well placed.**

POF cable can be terminated with a simple tool and directly connected to the optical interface.



Technical Data	OMC 100 SDA
Transmission Speed	100 Mbps optical
Transmission Length	50m with ESKA OPTOHOME™ RH4002; 70m ESKAMEGA™ – MH4002 (Mitsubishi Rayon)
Power Supply	Integrated Power Supply; Main Power Interface according national standards available
Electrical Data Socket	RJ 45
Optical Interfaces	Firecomms OPTOLOCK™ 1,5 or 2,2 mm cable; also available with SMI POF connector
Wavelength	650 nm typ.
Operating Temperature	-20 to +60° C
Function	Ethernet 10/100 BaseTx - 100 BaseFx Half / Full Duplex; Auto MDI-MDX
Mechanical Dimension:	ca. 120 x 79 x 50 mm
Packages	- Link-Set with 2 OMC100 SDA; 2 Cat.5e Patchcable; Cutting Tool and 30m POF cable. - Single Media Converter
Recommended POF cable	Step Index Fibre; Mitsubishi ESKAMEGA™ (NA0,3) or ESKA OPTOHOME™ (NA 0,5)
Applications	Optimised for IP-TV and Multimedia; PC and Office Networking.

#### Easy Retrofitting



By an authorised expert POF cable can be installed easily into main power conduits in new buildings but also for retrofitting.

#### homefibre digital network gmbh

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