

OMC 1001 GIG

POF media converter 1 Gbps - Gigabit Ethernet

Product Description

POF Gigabit media converter for converting electrical signals into optical signals.

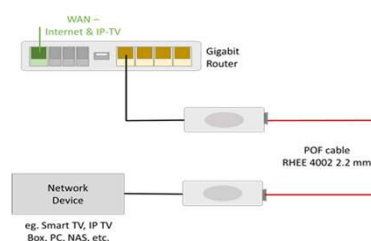
Power supply via the included AC adapter and USB cable. Alternatively an USB port can be used for the power supply.

The gigabit media converter is suitable for the integration of network devices with the need for high information rates in POF home- and office networks.

With a kit it is possible to establish a direct connection of a device with for example the router.



Application Example:



Purchase Unit (PU)	Content	Unit	width (PU in mm)	depth (PU in mm)	height (PU in mm)	weight (PU in kg)
OMC 1001 GIG	1	Pcs.	165	125	50	0.18

Characteristics

product category	media converter
ports / number of ports	1 x RJ45, 1 x POF
bandwidth	Gigabit Ethernet
operating temperature	0 °C to +45 °C (32 °F to 113 °F)
degree of protection according to DIN EN 60529	IP20
class of protection according to DIN EN 61140	II
installation	desktop
device dimensions (WxDxH) in mm	32.7 x 82.0 x 26.5
weight in gramm	45 g

Power and Consumption

power connector	5 V DC 1.2 A external power supply OR with USB cable via USB port
voltage rating	(100-240) V AC (50-60) Hz
power consumption	max. 1.3 W

Network ports

number of network ports	1 x RJ45
information rate of network ports	1 Gbps
transmission distance of network ports	100 m
preferred cable for network ports	CAT 5e, 6
bandwidth network ports	100 MHz

Optical network ports

number of optical ports	1 x POF connector less / Broadcom for 2.2 mm POF cable
information rate of optical ports	1 Gbps
transmission distance of optical ports	1 Gbps up to 50 m, up to 80 m with ABR 1)
preferred cable for optical ports	POF 2.2 mm class A4a.2 according IEC60793-2
wave length of optical ports	650 nm visible red light, harmless to the eye

Standards

ethernet standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
CE / RoHS	EN 55022; EN 55024; EN 61000; EN 62471
FCC	FCC certification Part 15 Subpart B

1) ABR means Adaptive Bit Rate. The reduction of the information rate is used for guarantee error free transmission if the signal strength is low or the length of the cable is above 50m.

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