

POF media converter 1Gbps

OMC 1001 GIG



Product Description:

POF gigabit ethernet media converter with one gigabit ethernet RJ45 interface and one optical POF gigabit interface for 2.2mm POF cable (eg. RHEE 4002 W).

Power supply over external power supply (AC 100 - 240V to 5V 1A). The device can also be powered by USB interface (direct connection to PC).

Suitable for retrofitting and self installation.

Application example:



Product	Type	Content	Delivery unit	Total width mm	Total height mm	Total depth mm	Weight Du/kg
OMC 1001 GIG	2.2	1	PCS	35	23	80	0,03

Product specifications

Ports / Number of ports	1x RJ45, 1x Gigabit Ethernet POF
Bandwidth	1Gbps
Operating temperature	-5°C to +45 °C (23°F to 113°F)
Degree of protection according to DIN EN 60529	IP20
Class of protection according to DIN EN 61140	II
Installation	Desktop
Power supply via external power supply	•
Device can be powered by USB interface	•

Electrical specifications

Voltage rating	DC 5V (External power supply), AC 100 - 240V ~ 50 - 60Hz
Maximum power consumption	1W max.

Port specifications

Ports and connector	RJ45 interface: DIN EN 60603-7: 1997-08 Optical Interface: 2.2mm Duplex Gigabit Ethernet POF (IEEE 802.3bv)
DIN EN 50173-1: 2003-06	Category 5e, 6
ISO / IEC 11801: 2002, DIN EN 50173: 2011-09	Category 5e, 6
IEC 60603-7-2: 2007	unshielded 100MHz
TIA / IAE-568-B.2-2001	Category 5e

Optical specification

Bandwidth optical interface	1,000Mbps, adaptiv lower, depends on optical power
Gigabit Ethernet optical output power(sender)	-5.8 dBm min.
Gigabit Ethernet optical input power (receiver)	-17.5 dBm min.
Gigabit Ethernet transmission distance	typ. 50 m (164ft.) for POF 2.2mm class A4a.2 according to IEC 60793-2-40
Maximum transmission distance	typ. 90 m (295ft.) for POF 2.2mm class A4a.2 according to IEC 60793-2-40
Backwards-compatibility	Backward-compatibility to 100BASE-FX (100 Mbps)
Wavelength	650 nm typ.

Accessories

RHEE 4002 W	Polymer Optical Fibre (POF), duplex, white, double jacket, NA: 0.5, 2,2mm
POF-Unicut	POF Cutter, cuts 1.5mm and 2.2mm POF, approx. 20 cuts, color: red
OMS 1026 RR-GIG	POF 6+2 port switch 1 Gbps - Gigabit Ethernet, 6x POF, 2x RJ45
OMA 111 WLAN	POF WIFI Access Point 1x Rj45 flush-mounted 100 Mbps, WIFI 150 Mbps
OMS 1021 UP-GIG	Flush mounting POF Mediaconverter Switch 1Gbps

Certificates

FCC	FCC certification Part 15 Subpart B
CE	EN 555022; EN 55024; EN 61000; EN 61471