

# OMS 1021 UP-GIG



## Product Description:

POF network socket, for concealed installation or installation in a surface mount box, with two RJ45 jacks for network devices, one optical connection for Duplex POF cable (eg. RHEE 4002 W). Integrated media converter for converting the optical / electrical signals and integrated Gigabit Ethernet Switch. Connection for power input (AC 110- 240 V) at the rear.

Ideal for office and home network, audio- and videostreaming with high bandwidth. plug interface: according to DIN UAE 8/8

### Accessories:



Surface mounting frame pure white UAE-6ApG rw



Cover plate pure white AP rw



Center plate 2 x RJ45 pure white Zst UAE 8/8 rw BF

Product	Type	Content	PU	Overall-width mm	Overall-height mm	Depth mm	PU/kg
OMS 1021 UP-GIG	2.2	1	PCS	80	80	60	0.11

Characteristics	
Number of ports	2 x RJ45, 1 x Gigabit Ethernet POF
Data rate	1 Gbps
Operating temperature	0°C to +40 °C (32°F to 104°F)
Protecting class according to DIN EN 60529	IP 20
Appliance class according to DIN EN 61140	II
Installation	In-Wall, Surface mounting frame
Additional RJ45 ports (1000 Mbps)	•
fits in commercial flush-mount installation boxes	•

Electrical characteristics	
Voltage	100 - 240 V ~ 50-60 Hz
Power consumption typ.	max. 2.8 W

Connector/outlet characteristics	
Connection technique	RJ45-connection: DIN EN 60603-7: 1997-08 optical connection: 2.2 mm Duplex Gigabit Ethernet POF (IEEE 802.3) L / N: wiring clamp for fixed wires 1.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup> , 1 wire at each contact
Material spring contact	CuSn
Surface spring contact	1.5 µm Ni / 1.3 Au
Life (cycles)	min. 2,500 cycles
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 100 MHz
TIA / IAE-568-B.2-2001	Category 5e

Optical characteristics	
data transmission rate	1000 Mbps, adaptively lower beyond specified power budget
Gigabit Ethernet output power (sender)	-5.8 dBm min.
Gigabit Ethernet input power (receiver)	-16.5 dBm min.
Gigabit Ethernet transmission length	typ. 50 m (164 ft.) with POF 2.2 mm class A4.a2 regarding IEC 60793-2
maximum transmission length with adaptive bandwidth	typ. 90 m (295 ft.) with POF 2.2 mm class A4.a2 regarding IEC 60793-2
backwards compatability	backwards compatible 802.3-FX (100 Mbit/s POF)
wavelength	650 nm typ.

Accessories	
ZSt UAE 8/8 rw - BF	Standard center plate, pure white, 2x RJ45 interface, with labeling strip
AP rw	Standard wall plate, pure white; for In-wall and surface mounting
UAE-6ApG rw	Surface mounting frame, pure white
OMS 1026 RR-GIG	POF 6+2 port Switch 1Gbps - Gigabit Ethernet; 6x POF Gigabit, 2x RJ45
OMA 111 WLAN	POF WIFI Access Point 1x RJ45 flush-mounted 100Mbps WIFI 150Mbps
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