

OMS1021UP-220 GIGA



Product Description:

POF flush-mounted Media Converter Switch for concealed installation or installation in a surface mount box, two RJ45 jacks for network devices, one optical connection for Duplex POF cable (eg. RHEE 4002 2.2W) . Integrated media converter for converting the signals, 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: regarding DIN UAE 8/8

Accessories:



Surface mount box
UAE-6ApG rw



Cover Plate
AP rw



Center Plate
Zst UAE 8/8 rw BF

Product	Type	Content	PU	Overall-width mm	Overall-height mm	Depth mm	PU/kg
OMS1021UP-220 GIGA	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	concealed
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 ² to 2.5 mm ² , 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 Mbit/s, 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 compatibility	backwards compatible 802.3-FX (100 Mbit/s POF)
wavelength	650 nm typ.

Accessories

ZSt UAE 8/8 rw - BF	center plate with 2 RJ45 interfaces (for OMS1021), pure white with labeling strip
AP rw	wall plate, pure white
UAE-6ApG rw	surface mount box, for flush mounting designs, pure white
OMS1026RR-220 GIGA	8-port Switch, Gigabit (6 opt. ports, 1 RJ45, 1 SFP)
OMA111WLAN-220	Flush mounting POF WLAN Access Point, WLAN 300Mbps
RHEE 4002 2.2W	POF Cable Duplex 2.2mm, white, double jacketing
POF-Unicut	POF Cutter (use up to 10 times)