

OEP 45-01 Optical GPON Endpoint | 4 × GE + WiFi 6 + CATV



- ✓ Design without external antennas
- ✓ For connecting a room/desktop to a hospitality OLT
- ✓ GPON according to ITU-T G.984/G.988
- ✓ 1 × GPON
- ✓ 4 × RJ 45 connection for 1000BaseT Gigabit Ethernet
- ✓ 1 × F-female for CATV 47 ... 1006 MHz
- ✓ WiFi 6 Access Point for Tablet, Smartphone, Notebook etc.

Order information

Type	OEP 45-01
Order no.	OEP04501
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PE	1
VE	1
EU customs tariff number	

Technical data

PON	
Number	1
Connector type	SC/APC
Standard	GPON: ITU-T G.984/G.988, Class B+
Fiber type	9/125 µm SMF (Single Mode Fiber)
Data rate	2.5 Gbps @ Downstream 1.25 Gbps @ Upstream
Wavelength	1490 nm @ Downstream 1310 nm @ Upstream 1550 nm @ CATV
Receiving sensitivity	-28 dBm @ Class B+
Saturation power	-8 dBm @ Class B+
Output	
Frequency range	47 ... 1006 MHz
Output level	78 dBµV (AGC)
Impedance	75 Ω
RFoG	
Input wavelength	1550 nm
Input AGC range	-12 dBm ... -2 dBm
Output level	78 dBµV
Interfaces	
Ethernet connectors	4 × RJ 45
Ethernet standards	IEEE 802.3ah, 1000 Base-T
WiFi standard	IEEE 802.11ac wave 2 (MU-MIMO)
WiFi encryption	WEP, WPA/WPA2, WPA/WPA2 m. PSK
WiFi frequency range	2400 ... 2484 MHz @ 2.4 GHz 5150 ... 5350 MHz 5470 ... 5725 MHz @ 5 GHz 5925 ... 7125 GHz MHz @ 6 GHz
General	
Operating temperature range	0 ... 40° C
Operating humidity (non-condensing)	10 ... 90 %
Operating voltage	12 VDC
Dimensions (W × H × D) appr.	160 × 29 × 112 mm
Weight	0.300 kg

Suitable products

[OAPL 1-03 Optical APL](#)
[OAK 1-03 Optic cable | SC/APC | 1 m](#)
[OAK 5-03 Optic cable | SC/APC | 5 m](#)