

OLTH 1-02 Hospitality-OLT | 1 × XGS-PON/GPON



- ✓ Compact design
- ✓ Easy commissioning/maintenance
- ✓ Broadband internet for up to 128 rooms/workstations
- ✓ GPON in accordance with ITU-T G.984/G.988
- ✓ 2.5 Gbps downstream (1490 nm)
- ✓ 1.25 Gbps upstream (1310 nm)
- ✓ XGS-PON compliant with ITU-T G.9807.1
- ✓ 10 Gbps @ Downstream (1577 nm)
- ✓ 10 Gbps @ Upstream (1270 nm)
- ✓ Includes Combo PON SFP+ module (XGS-PON + GPON)
- ✓ Management via CLI/WEB/Telnet/SSH/MQTT
- ✓ In desktop housing
- ✓ Mounting brackets for installation in a 19-inch rack included

Order information

Type	OLTH 1-02
Order no.	OLTH00102
GTIN	7611682401981
PE	1
VE	1
EU customs tariff number	

Technical data

PON

Number	1
Connector type	SFP Class C++ (SC/UPC)
Standard	GPON: ITU-T G.984.2 XGS-PON: ITU-T G.9807.1.
Fiber type	9/125 µm SMF (Single Mode Fiber)
Max. splitting ratio	1 : 128
Transmission range	20 km
Data rate	2.5 Gbps @ GPON-Downstream 1.25 Gbps @ GPON-Upstream 10 Gbps @ XGS-PON-Downstream 10 Gbps @ XGS-PON-Upstream
Wavelength	1490 nm @ GPON-Downstream 1310 nm @ GPON-Upstream 1577 nm @ XGS-PON-Downstream 1270 nm @ XGS-PON-Upstream
Receiving sensitivity	-29 dBm @ 10 G -30.5 dBm @ 2.5 G -30 dBm @ 1.25 G
Saturation power	-8 dBm @ 10 G -10 dBm @ 2.5 G -12 dBm @ 1.25 G

Interfaces

SFP	1 × 10GE SFP+
Ethernet connectors	2 × RJ 45
Ethernet standards	IEEE 802.3ah, 1000 Base-T
Serial	RS 232
General	
Operating temperature range	-15 ... 50° C
Storage temperature range	-40 ... 85° C
Operating humidity (non-condensing)	5 ... 90 %
Operating voltage	100 ... 240 VAC/50 ... 60 Hz
Power consumption	14 W
Dimensions (W × H × D) appr.	313 × 44 × 197 mm

Suitable products

OEP 11-01 Optical GPON Endpoint | 1 × GE
OEP 11-02 Optical XGS-PON Endpoint | 1 × 2,5 GE
OEP 41-01 Optical GPON Endpoint | 4 × GE
OEP 43-01 Optical GPON Endpoint | 4 × GE + CATV
OEP 45-01 Optical GPON Endpoint | 4 × GE + WiFi 6 + CATV
OSE 44-01 Optical GPON Switch Endpoint | 4 × GE + PoE
OSE 44-02 Optical XGS-PON Switch Endpoint | 4 × 2,5 GE + PoE
OVE 116-13 Optical 16-way splitter | SC/APC | 19"
OVE 132-13 Optical 32-way splitter | SC/APC | 19"
OVE 164-13 Optical 64-way splitter | SC/APC | 19"
OAK 1-53 Adapter cable | SC/UPC - SC/APC | 1 m
OAK 5-53 Adapter cable | SC/UPC - SC/APC | 5 m