

LANCOM SFP-GPON-1

GPON SFP module for connection to passive fiber optic lines (FTTH)



- GPON G.984.2 ONT
- Simplex SC/APC Transceiver
- Direct connection to GPON FTTH networks without separate provider modem
- Constant transmission bandwidth and interference-free technology
- Easy integration into LANCOM devices 1800 series, 1900 series, ISG series, and WLC-2000
- Operating temperature -40°C to 85°C
- Including 3m LC/APC to SC/APC cable



LANCOM SFP-GPON-1

Reliable support for GPON technology

For fiber to the home (FTTH) data transmission, GPON technology is a future-proof solution: A GPON-based network architecture is characterized by flexible bandwidths as well as high transmission ranges. The components of the gigabit speed optical network reduce its maintenance and costs, making it reliable and scalable. An upgrade to GPON technology is, thus, easy to realize with the LANCOM SFP-GPON-1.

Direct connection to GPON FTTH networks without separate provider modem

For fiber to the home (FTTH) data transmission, GPON technology is a future-proof solution: A GPON-based network architecture is characterized by flexible bandwidths as well as high transmission ranges. The components of the gigabit speed optical network reduce its maintenance and costs, making it reliable and scalable. An upgrade to GPON technology is, thus, easy to realize with the LANCOM SFP-GPON-1.

Easy integration of the LANCOM SFP-GPON-1

The uncomplicated connection of a LANCOM SFP-GPON-1 module is realized via the SFP ports of the LANCOM 1800 series, 1900 series, ISG series, and WLC-2000.



LANCOM SFP-GPON-1

Technical details

SFP module	GPON ONT SC/APC Transceiver Class B+
Conformity	→ Compliant to G.984.1, G.984.2, G.984.3, G.984.5 and G.984.4/G.988 → OMCI support per ITU-T G.988
Cable type	Single mode fiber 9/125µm
TX Wavelength	typ. 1310nm
RX Wavelength	min. 1480nm, max. 1500nm
Transmit power	min. 0.5 dBm, max. 5 dBm
Receiver Sensitivity	min. -28 dBm
Receiver Overload	max. -8 dBm
Asymmetric data rate	→ 1.244 Mbps Tx → 2.488 Mbps Rx
Power consumption	max. 2 W
Operating temperature	-40°C - 85°C
Connection type	SC/APC
Monitoring	SFF-8472 diagnostic monitoring interface for optical transceivers
GPON password	GPON password (PLOAM) can only be configured via LCOS

Compatibility

Provider	Validated compatibility for the use on FTTH-lines of Deutsche Telekom
Compatible devices	→ LANCOM 1781EF+ → LANCOM 1790EF → LANCOM 1800 series → LANCOM 1900 series → LANCOM ISG-5000 → LANCOM ISG-8000 → LANCOM WLC-2000
Minimum software version*	→ LCOS 10.50 RU2
*) Note	For regular operation the mentioned minimum version is required.



LANCOM SFP-GPON-1

Delivery content

Delivery content → SFP module
 → 3m LC/APC to SC/APC cable (to connect to the Deutsche Telekom fibre telecommunication outlet (Gf-TA))

Item

Warranty 2 years

Item number 60199
