

R&S® LANCOM SFP-AON-1

AON SFP module for connection to Active Ethernet fiber optic lines (FTTH)



Fiber-optic lines directly into the home (fiber-to-the-home / FTTH) offer higher speeds, more stable connections, and greater future-proofing compared to DSL lines. With the SFP transceiver module R&S®LANCOM SFP-AON-1, you can connect directly to an AON network (Active Optical Network) via your R&S®LANCOM gateway and use the fiber-optic connection at up to 1 Gbps. This way, you save yourself a separate provider modem that would have to be laboriously wired and supplied with power.

- ▶ Simplex SC/UPC Transceiver
- ▶ Direct connection to AON FTTH networks without separate provider modem
- ▶ Constant transmission bandwidth and interference-free technology
- ▶ Easy integration into R&S®LANCOM devices 18xx series, 19xx series, ISG series, WLC series as well as R&S®LANCOM 2100EF and the R&S®LANCOM R&S®Unified Firewalls*
- ▶ Operating temperature -40°C to 85°C
- ▶ Including 3m LC/APC to SC/UPC cable

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Reliable support for AON technology

For fiber to the home (FTTH) data transmission, AON technology is a future-proof solution: An AON-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 AON technology is, thus, easy to realize with the R&S® LANCOM SFP-AON-1.

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Technical details	
SFP module	AON SC/UPC Transceiver
Conformity	Compliant to 1000BASE-BX10-U and 1000BASE-BX20-U
Cable type	Single mode fiber 9/125µm up to 20km
TX Wavelength	typ. 1310nm
RX Wavelength	min. 1480nm, max. 1580nm
Transmit power	min. -9 dBm, max. -3 dBm
Receiver Sensitivity	min. -24 dBm
Receiver Overload	max. -3 dBm
Symmetric data rate	up to 1.25 Gbps
Power consumption	typ. 1 W
Operating temperature	-40°C - 85°C
Connection type	SC/UPC
Monitoring	SFF-8472 diagnostic monitoring interface for optical transceivers
Compatibility	
Compatible devices	▶ R&S® LANCOM 1800 series ▶ R&S® LANCOM 1900 series ▶ R&S® LANCOM 2100EF ▶ R&S® LANCOM ISG-5000 ▶ R&S® LANCOM ISG-8000 ▶ R&S® LANCOM WLC-60 ▶ R&S® LANCOM WLC-2000 ▶ R&S® LANCOM Unified Firewall UF-T60 and UF-260 ▶ R&S® LANCOM Unified Firewall UF-360, UF-560 and UF-760 via R&S® LANCOM UF Extension Module
Minimum software version*	▶ LCOS 10.50 RU2 ▶ LCOS-FX 10.8 RU1
*) Note	For regular operation the mentioned minimum version is required.
Delivery content	
Delivery content	▶ SFP module ▶ 3m LC/APC to SC/UPC cable
Item	
Warranty extension	2 years
Item number	60200

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