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ECAD
Communications
A division of **technetix** GmbH

Fibre line OAP connection box – small, flexible, innovative

Product characteristics

· Can be installed anywhere with 80 x 80 x 45 mm –
  suitable for common under-plaster systems
· Always fits – whether active Ethernet or GPON,
  the OAP is the universal fibre termination
· One of the smallest fibre boxes worldwide –
  optionally also with CATV module

Planning and building

Thanks to its modular structure, you can already
incorporate this network termination during the
planning phase of your FTTH project. In this way, it is
possible to use the OAP any time as a CATV receiver
for TV with a plug-in module, without necessitating any
reconstruction. End users can install the plug-in module
at any time without prior knowledge. This prevents high
initial costs with long ROI times.

A network termination for all networks

The OAP (Open Access Point) is one of the smallest
fibre-optic network termination systems and can be
integrated in every FTTH network – irrespective of
whether it is active Ethernet or GPON. As a neutral
network termination, the OAP is the ideal technology
for connecting a fibre-optic CPE and helps you to
access every house and apartment at low cost.

Splicing and connecting

The OAP can be supplied with a ready-made FOC,
which eliminates splicing work in the apartment.
Therefore, specially trained technical staff are not
absolutely essential anymore. Of course, the option
of splicing the fibres directly in the connection box

Ready for the future

Still working with fast Ethernet today – tomorrow already with Gigabit Ethernet. Bandwidths are exploding and the OAP fibre-optic termination persists. Then, you can plan service life, amortisation, CAPEX, OPEX and ROI over extremely long periods of time, without having to invest in new network terminations.

Internet, telephony, television

By connecting a fibre-optic CPE (e.g. Fritzbox 5490), end users can utilise their internet and telephony services as usual. With the aid of the CATV plug-in module, standard TV sets can be connected to the OAP and the input AGC link supplies a stabilised TV signal.

Technical data - Fibre Line OAP connection box		
Typ/type	OAP SC/PC	OAP RF-SC/PC
Article number/part no.	PRO161010-01	PRO161010-02
Optical Performance		
Optical input range	-8 dBm to 0 dBm	
Optical reflection	≥ 40 dB	
Optical wavelength	1100 nm to 1650 nm	
Maximum optical input power	+3 dBm	
Optical connector	SC/PC	
RF Performance with AGC		
Frequency range		45 MHz to 1000 MHz
RF return loss		≥ 14 dB
RF flatness		± 1.0 dB
RF output level		80 dBμV
RF connector		SCTE F-type
Link Performance		
Frequency range	≥ 65 dB	
RF return loss	≥ 60 dB	
RF flatness	≥ 46 dB	
General		
AC~DC switching		
Power supply	Input: 100~240 VAC, 50~60 Hz 0.2 A	
	Output: 9 VDC (± 0.5 V) 0.8 A	
Power consupmtion	< 2 W	
Operating temperature	0 °C to +55° C	
Dimensions (W x H x D)	80 x 80 x 45 mm	
LED		
Green	≥ -8 dBm	
Red	≤ -8 dBm	