

## Each concept requires individual solutions that cover the current and future needs and requirements.

### THE solution in fibre optics expansion does not exist.

- Investment costs grant versus operator model
- GPON versus active Ethernet
- FttH or FttB
- 3P or 2P
- Number of fibres per apartment/house

The market opts for ECAD Communications technologies – because they always fit! ECAD Communications solutions let you remain flexible, free and independent.

### Product overview



### Fibre optics connection sockets as APL

- FttH terminal box OCR
- OCR MODULE
- OAP (OPEN ACCESS POINT)

### Fibre Termination Boxes

- GF-HUEP SMART
- GF-HUEP SPEED
- GF-HUEP MAX

### Fibre optics connection technology

ECAD Communications provides complete systems for fibre optics distribution technology. This includes optical attenuators supplemented by patch cords in all designs, individually customised pigtailed as well as couplers.

Various fibre types are available in project specific lengths and adaptations. All ECAD Communications products are delivered with measuring logs on customer request.

## Fibre optics termination boxes (FTB)

### The FTB SMART:

#### The connection box for single family homes

A fibre optics terminal for terminating 4 fibres. With protection class IP65, the box is designed for wall mounting indoors and outdoors. It is distinguished by its low weight, narrow design and easy installation. The removable cover and the fold-out tray facilitate installation. The FTB is secured with a lock to protect it from unauthorised access.

#### Facts:

- 4x splice holder in fold-out tray
- 2x couplers
- 2x inserts/outlets
- lock
- 153 x 208 x 52 mm



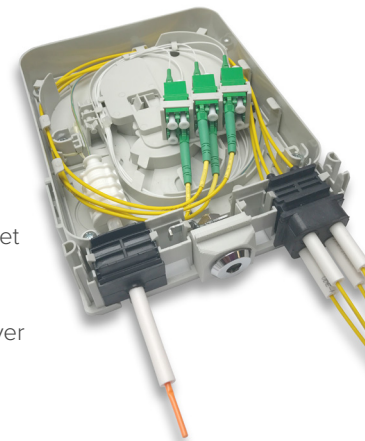
### The FTB SPEED:

#### The connection box for multi-family houses

It was designed and developed together with our customers. With its innovative fibre management and sealing concept, the building transfer point FTB Speed offers a maximum of application options. The installation effort has been significantly reduced. The mature solution provides a long service life and maximum investment protection.

#### Facts:

- 12x splice tray
- 1x PLC splitter
- 6 couplers in fold-out tray
- 3x flexible, divisible sealing sets for 3 – 10 mm Ø
- optional Gabocom sealing set with pipe retainer
- strain relief
- lockable and removable cover
- sealable
- IP 54
- 150 x 212 x 53 mm



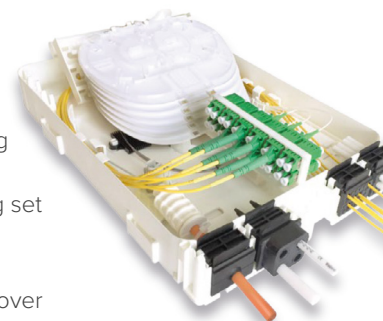
### The FTB MAX:

#### The connection box for a larger number of residential units

The FTB Max terminates 168 fibres in a compact design. 24 fibres are spliced directly in the basis, the others in cassettes. The innovative sealing concept and fibre management is analogue to the FTB Speed. Easy wall mounting and access protection are obligatory.

#### Facts:

- 168x splice tray
- 4x PLC splitter
- 2x 12 couplers
- 4x flexible, divisible sealing sets for 3 – 10 mm Ø
- Optional Gabocom sealing set with pipe retainer
- strain relief
- lockable and removable cover
- sealable, lockable
- IP 54
- 209 x 341 x 91 mm



## Fibre optics connection sockets as APL

### The FttH terminal box OCR: The multi-talent among the APLs

Modern fibre glass termination requires highly flexible terminal boxes. ECAD Communications has designed these with its customers. They meet all requirements for an appealing design, extreme robustness and open access. The box is designed for taking up pre-customised fibres or splices deposited in the management. Your investment remains protected as a technology-neutral interface.

#### Facts:

- 12x splice tray
- 2x couplers output
- input up to 7 mm
- wall or flush mounting of the socket
- metal installation plate
- 114 x 90 x 22 mm



### The OAP (Open Access Point): The most compact fibre glass network termination

The OAP is a neutral network terminator. It can be integrated into any FTTH network – independent of whether active Ethernet or GPON. The OAP is the perfect solution for connecting a fibre glass CPE. The modular design allows efficient integration in each RU. Already pre-customised LWL cables eliminate the need for splicing work. A CATV receiver for TV (plug and play) can be operated via a plug-in module.

#### Facts:

- 1x splice tray
- 1x SC coupler output
- Wall or flush mounting of the socket
- Opt. TV module plug and play
- Opt. IN -8dB...0dB, F-OUT ...80dB $\mu$ V / 1GHz, AGC
- IP Ethernet-module 1 GBit
- PSU 9 V DC
- 80 x 80 x 45 mm

