

FTTH **Homebox** blue wing

SIZE With its compact design (15 cm x 9 cm) virtually invisibly installable wherever you want

FLEXIBILITY „One fits all“ – same conception for Active Ethernet (P2P) or GPON networks, the FTTHHomebox is the universal FTTH network termination

INNOVATION

One of the smallest fiber termination boxes with integrated CATV module



Sample product design

UNIVERSAL FTTH NETWORK TERMINATION!

The FTTHHomebox is one of the smallest fiber network termination boxes with integrated CATV module. Ready for easy integration into almost every FTTH network, it covers architectures like Active Ethernet or GPON in the same way. The FTTHHomebox is ideal for accessing smaller clusters but also for starting massive FTTH rollout campaigns. You can reach every house or flat (Homes Passed) with this very suitable & cost-efficient high-tech product.

Open Access & more

Terminating up to 4 fibers, the FTTHHomebox fulfils all national and international regulatory requirements and can be deployed in any of your FTTH projects. Facing the growing number of Open Access business models, the FTTHHomebox is the right candidate regarding technology and usability for fulfilling all mandatory requirements of a neutral FTTH network termination. On top it offers your end-users guaranteed television and radio services from the first minute on.

Planning and building

One of the major strategic advantages of the FTTHHomebox is that you can include this network termination right on from the planning of your FTTH project, thus avoiding follow-up costs that may exceed your budget significantly. This allows the network owner to “rent” a full-function FTTH network to the operator. With Web access available in all homes, the only question is to acquire the end user as Internet subscriber.

Splicing and connecting

The FTTHHomebox is designed for direct internal fiber splicing – both for Active Ethernet (P2P) and GPON network termination. When the subscriber is activated, only the needed FTTH Media Gateway (such as ELCON’s Blue Wing FOS 100w for Active Ethernet P2P) will have to be connected via an external Patch Cable. Advantage: every GPON FTTH Media Gateway can be similarly connected without separate splicing! Altogether this allows for a substantial reduction of installation and service costs – thanks to a standardized network termination.

Ready for the future

Today and tomorrow Fast Ethernet (up to 100 Mbps) is state of the art, but the day after Gigabit Ethernet (up to 1000 Mbps and more) may become standard: bandwidth is expanding – but the FTTHHomebox will be the same. Reliable planning over long periods, regarding terms, deduction for depreciation, CAPEX, OPEX and ROI will have a positive effect on your business case. This all will speed up planning and expanding of your new FTTH networks.



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TECHNICAL DATA

Highlights

- FTTHomebox with optical CATV module
- Up to 4 connections via LC connectors or up to 2 SC connectors

Optical CATV receiver

- Receiver: Optical Cable-TV module (OCR)
- Bandwidth: 47 MHz ... 2400 MHz
- TV connector: F-plug
- Optical input signal: -9 dBm ... 0 dBm
- Output signal: 85 dB μ V \pm 2 dB @ -3 dBm optical input power
- Operating voltage: 6 V DC
- Integrated wavelength filter:
 - TV (RF video overlay): 1545 nm ... 1555 nm
 - IP down (RX): 1480 nm ... 1500 nm
 - IP up (TX): 1260 nm ... 1360 nm

Fiber connectors

- Number of connectors: 4 \times LC-APC or 2 \times SC-APC
- Standard fitting: 1 \times duplex LC
- Use of replaceable standardized optical components (such as LC-LC-coupler) for easy extension

Installation

- Installation: horizontal and vertical
- Base plate with universal mounting in line with international standards
- Fiber reserve and splice magazine: up to 4 SM fibers
- Fiber bending radius: in line with engineering standard G657A

Scope of delivery

- FTTHomebox
- Power supply unit for CATV module
- Toolkit bag
- Installation manual

Dimensions and weight

- Dimensions (W x D x H): 148 mm \times 88 mm \times 25 mm
- Weight: 275 g incl. CATV module

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PURCHASE ORDER INFORMATION

Product designation	Order number
FTTHomebox <small>1 fiber RF overlay for Active Ethernet P2P and GPON</small>	900344
FTTHomebox passive <small>without CATV module</small>	900345
Recommended Products	
ELCON Blue Wing FOS 100w <small>FTTH Media Gateway, 4 \times Ethernet, 2 \times VoIP, 802.11 b/g WLAN, SC Patch Connector</small>	900274

The above given data apply to the FTTHomebox with 1-fiber RF-Overlay for Active Ethernet P2P and GPON (Order no. 900344).