Merocom Solutions

INDOOR BOX (MULTI-CLIENT) : 32 PORTS - 32 FUSIONS_ IP55

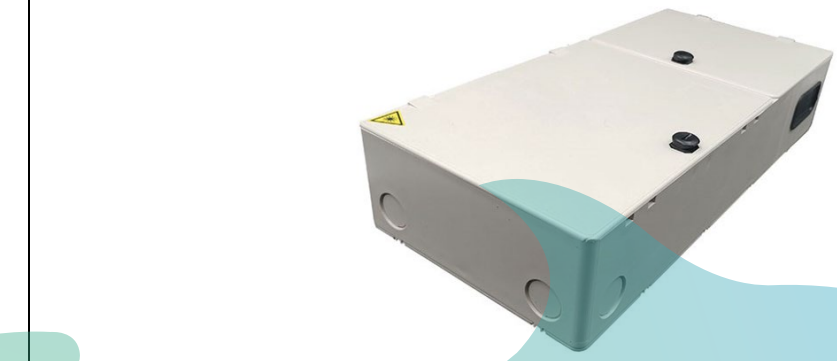
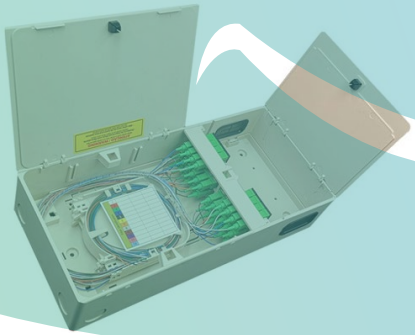
Manual & Information

Contents

1 Features

1.1 Aplication/Construction

This compact FTTH optical distribution box is a smart solution to facilitate access between the operator's infrastructure and the internal building network. In order to stand out as a single structure, the installation is realised in a modular and independent way for each operator consisting of a secondary module belonging to the building and a primary module belonging to the operator. These modules can be coupled together and therefore different operators can be connected to the in-building network.

Aplication	FTTH Networks
Photos	 

1.2 Technical specifications:

Max Capacity	32 fibers SC/APC, 4pcs of 1x8 PLC Splitter
Dimensions	323X150X72mm
Material	LSZH ABS Plastic
Lock	¼ turn plastic closing with optional key lock
Cable entries	4 single entries through a packing gland
Cable dimensions	13.5mm
Patchcord routing	2 in the connection compartment

1.3 Characteristics:

Primary and Secondary Module

Its modularity allows a connection between the primary and secondary module within both partitions.

The secondary module receives the building's upstream cable and the primary module receives the telecommunications operator's cable.

The partitions are separated by an SC/APC adapter module. Depending on the version, this module can have up to 32 SC/APC adapters.

It can have a multiple operator function, which means that after the installation of the primary operator A, a more independent form of one or more units of other operators can be installed.

1.4 Installation:

The adapter panel is removable so that it can be easily mounted with adapters.

Both covers are removable; the organiser cassettes open like a flipbook and can be removed at any time. Overall this box is easy to install and easy to use.

This is a solution optimised for FTTH (Fiber-To-The-Home) type GPON (Gigabit Passive Optical Network) installations.

When making the first FTTH installation in a building. The operator must install the primary and secondary modules.

The choice of model (32 SC/APC adapters) must take into account the number of customers that will have optical fibre, taking into account that it will be 2FO per apartment/customer.

The operator will install the primary module under the secondary, merging the main cable and inserting the splitters into the organiser cassettes. A connecting SC/APC optical cable will exit the box, from the primary to the secondary connection compartment connected to the corresponding apartment/customer adapter.

In the future, when other operators want to offer fibre optic services in the building, they only need to install their specific secondary module under the existing primary and connect via patch cable / optical cable to the secondary.