



HIGH CAPACITY ACCESS SERVICES

Semi-GPON

The high capacity connection at your Clients' service

With the Semi-GPON Service you can offer your Customers high capacity accesses by connecting to our secondary fibre optic network in the street cabinet.

The term GPON (**Gigabit-capable Passive Optical Network**) means the technology commonly used to create networks in FTTH (**Fiber-To-The-Home**) mode, thanks to which the Internet connection of a home is carried out by taking the fibre optic cable inside the house. Semi-GPON represents the secondary network section of the GPON FTTH architecture.

COVERAGE OF THE SERVICE

The service is available in all the towns envisaged by the FiberCop coverage Plan.

WHO IT IS INTENDED FOR

The Semi-GPON service is aimed at all the Operators who wish to offer the final clients a quick access service to the Internet, using FiberCop's secondary FTTH (**Fiber-To-The-Home**) network.

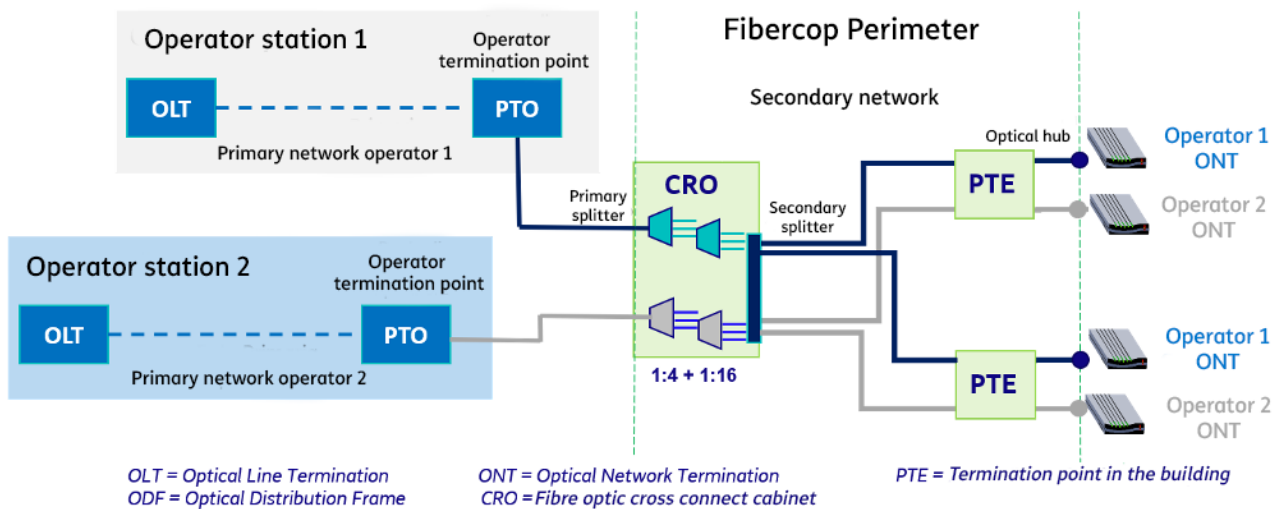
DESCRIPTION OF THE ARCHITECTURE

The reference architecture for the towns reached by the new secondary FiberCop fibre network according to the coverage plan envisages the possibility for the operator to link with the roadside presence points in optic cabinets (also called CRO or Fibre Optic Cross Connect Cabinet) from which the secondary FTTH network branches out to the property units.

The reference architecture is characterised by the following network elements:

- Delivery point of the Semi-GPON on entry port of the optic cabinet;
- Optic Cabinet (CRO) where the primary network of the operators interested and FiberCop's secondary FTTH network connect. Inside the CRO there are (primary and secondary) splitters that make it possible to connect several secondary network fibres to a single primary network cable in which the passive optic splitters are positioned;
- An overall splitting factor for each individual primary fibre equal to 1:64, obtained with 2 levels of splitting: 1:4 primary and 1:16 secondary, both positioned in the optic cabinet;
- Secondary point-to-point optical network from the optic cabinet to the client's location;

- Termination Point in the Building (PTE);
- Vertical section of the secondary network (so-called termination segment) that reaches the client's location (optical connection) from the PTE.



In the case of the towns with FTTH already developed before the establishment of FiberCop (infrastructures developed by the company Flash Fiber, whose ownership was purchased by FiberCop), the reference architecture of the Semi-GPON network envisages a splitting distributed along the secondary network (thus not concentrated inside the CRO, as seen above); the first level of splitting occurs at the CNO (Optic Node Centre) and a second level at the PTE, for an overall ratio still equal to 1:64.

SUBSCRIPTION METHOD

The subscription to the Co-investment allows the Operators to access the FiberCop Semi-GPON service. The co-investment consists of the operator taking on a commitment to purchase access services, at prices that are more advantageous the sooner they decide to subscribe to the project.

The subscription methods to the co-investment proposals are:

- **“IRU with access to the CRO”**, Purchase of the IRU (*Indefeasible Right of Use*) of the splitters and purchase of full fee Semi-GPON services;
- **“IRU at capacity”**, purchase of the IRU of the splitters and of the capacity of secondary network.

- Purchase commitments of “**minimum guaranteed**” related to volumes and turnover of full fee Semi-GPON access services;

For more details, download the [Co-investment Offer](#) on our website www.fibercop.it.

TO BEGIN WITH

To subscribe to the Co-investment offer, write to us at the address sales@fibercop.it or fill in the form in the [Partners](#) section of our website.

You will be contacted by the FiberCop Sales Team who will guide you in the subscription procedure.

PRICES

The prices of the co-investment services are detailed in accordance with the type of subscription and are available within the Co-investment Offer, which can be consulted on our website www.fibercop.it.

REGULATORY CONDITIONS

The offer is aimed at the Operators with an individual licence, or general authorisation in terms of telecommunications networks and services for public use.

