

GPONDoctor autofinder



Description

Fiber optic networks continues to multiply exponentially, and, in several regions, one every two homes already have an FTTH connection.

Several hundreds of millions of connections within the “Access Network” link the customer to its correspondent port within the Telecom Operator Headend.

Telecom Operators rely on contractors to deploy their fiber connections to the home. And though everything is well planned and executed, it is not rare to see customers not connected to the right port.

This is difficult to detect because even if the customer is connected to a different port, it is still registered, and services are provisioned as if it were in the right position. But once a problem arises — it will might take ages to locate where this customer is located and troubleshoot it accordingly.

A situation that could be affordable for one user but as the number grows, it becomes a REAL NIGHTMARE for field engineers leading to an uncontrolled OPEX and CHURN.

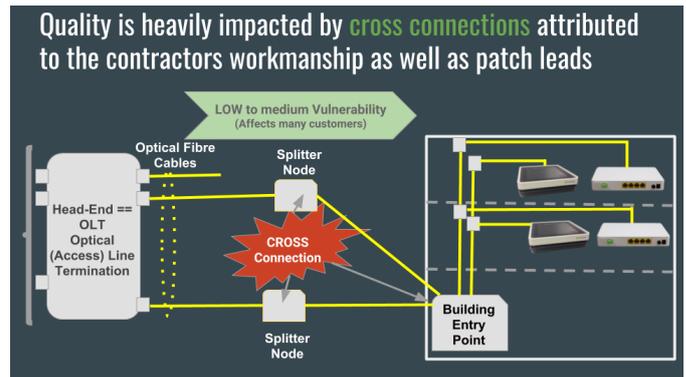
GPONDoctor autofinder is a handheld Test tool developed to be used by Fiber to the Home –GPON Technicians.

It is oriented for **GPON deployment auditing**. Its main advantage is the independency of the Installers that can get all connection details without the need to bother the FTTH Operator OSS department.

GPONDoctor autofinder allows to solve one of the most common problems during network deployments “CROSS-CONNECTIONS”. With an easy to use interface, it is capable to identify, in less than a minute, where any Fiber Termination location within the PON distribution network (ODN) is connected to.

As it is of prime importance to link the data with the installer position, **GPONDoctor autofinder** includes the GPS coordinates where the measurement was taken from. Also, pictures about the installation can also be added.

All the data provided by **GPONDoctor autofinder** can feed any **Cloud** to complete all the data provided by the OSS. This information will allow to identify any deviation from the planned deployment in order to get “**As-Built**” documentation.



And forget about complex interfaces, use a web browser at your SMART PHONE, TABLET or LAPTOP and get the data from the AUTOFINDER directly (through WIFI/USB-C/Ethernet).

Data collected

- PON Inventory information: PON ID (OLT/Board/PON port), Class (A, B, B+, C, C+), OLT power, RE power.
- Rx Power at the measurement point (1490nm)
- Geolocation GPS at the measurement point
- Pictures from the measurement point

Interfaces:

- GPON Downstream: Single mode: 1490nm (2.5Gbp) module.
- GPON Upstream: Single mode 1310nm (1.25Gbps)
- Ethernet: 4 Gigabit LAN ports
- Wi-Fi (Optional)
- LED Dimming
- Battery (Optional) 12DC and USB outputs (120/240V AC input)

CONTACT INFORMATION

GPONDoctor Scoop

C/ Gardoniz 44, 1st floor, 48002 Bilbao - Bizkaia (Spain)
Tel. +34 656791625 - enrique.arezaga@gpondoctor.com