Audit your FTTH in 1 click

GPONDoctor™ autofinder gathers all information from the PON needed to verify that each optical network termination is connected to the correspondent PON port as stated in the FTTH deployment documentation. With an easy to use interface makes it ready to be used from the very first day. All the data gathered by GPONDoctor autofinder can feed any Cloud so as to complete 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.

100% independency from NMS

GPONDoctor™ autofinder will not require to be registered in the OLT and will not interfere in the upstream direction. All data will be gathered in a completely "Passive" way. Installation + Maintenance departments can audit the network without the need to be supported by the FTTH Operator OSS department.

"Cross-connections" location

GPONDoctor autofinder allows to solve one of the most common problems during network deployments "CROSS-CONNECTIONs". it is capable to identify, in less than a minute, where any Fiber Termination location within the PON distribution network (ODN) is connected to.

Accurate Power Meter

GPONDoctor™ autofinder measures the Optical Power received (1490nm) with a precision compared to professional power meters (max uncertainty +- 0.5dB, check table). It also provides full the attenuation of the ODN up to that point.

PoM GeoLocation

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. Pictures about the installation can also be added.

Sniffing of activated ONUs

GPONDoctor™ autofinder is also capable to get all the Serial Numbers of the ONUs connected to the PON Port as well as if they are "Activated/Deactivated"

Easy to Use

Web browser GUI at your SMART PHONE, TABLET or LAPTOP that allows to get the data straight from the autofinder (through WIFI/USB-C/Ethernet).PTION

Portable and Autonomous

Small (11x11cm) with a weight of less than 0,5Kg and with the option of a Power bank

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.

FTTH Network auditing it is the best way to have a faithful documentation and keep your OPEX under control.

Interfaces

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

RX Power Force 1490nm	Measured RX Power	Error (dB)
-35dBm	-35,23dBm	0,23 dB
-33dBm	-33,01dBm	0,01dB
-30dBm	-30dBm	0 dB
-27dBm	-26,99dBm	-0,01dB
-20dBm	-20dBm	0 dB
-10dBm	-9,98dBm	-0,02dB
-9dBm	-9dBm	0 dB

GPONDOCTOR
autofinder

GPONDOCTOR
FTTH analysis & monitoring tools

autofinder

FTTH installation Auditor

TEST

POWER MEASUREMENT

RX POWER MEASUREMENT
-15.900669 dBm

PON

PON ID
201030214a000000041a

POWER LEVEL	TRANSMIT OPTICAL LEVEL
0:TOL reports the OLT's power level	0.2119:dBm

BUDGET CLASS OF THE PLANT	RESERVE FOR FUTURE USE
2:Class B+	0:Reserved for Future Use

VENDOR SPECIFIC (IN HEX)	VENDOR SPECIFIC (IN ASCII)
0x1030214a000000	□0!J

OLT MANUFACTURER	OLT IDENTIFIER
Nokia	3

OLT CARD/PORT	TECHNOLOGY
2/14	GPON

Test

Report

LOCATION

POSTAL CODE *	CITY
48002	Bilbao

STREET *
Gordoniz Street N44

LATITUDE	LONGITUDE
43.2626194	-2.9475759999999998

SPLITTER	PORT *
1	12

ADDITIONAL INFO
Additional info here...

Download

Back To Test   **Take a Picture**

Take a Picture

Shoot

Back To Report

NETWORK AUDIT

0	41-4c-43-4c-b2-ed-67-11	Activate
1	56-32-68-3c-2f-7a-65-11	Activate
24	72-5d-6d-3a-b7-9e-47-2e	Activate
3	c8-4c-28-33-a1-ab-55-3a	Activate
43	11-5d-45-65-dc-3f-77-9f	Activate
5	66-a3-2a-fb-bb-ac-4e-33	Activate
6	23-5f-6c-5d-45-62-88-cd	Activate
7	59-b3-6f-7c-3b-56-8c-5a	Activate
44	41-4c-43-4c-b2-ed-67-1f	Deactivate
9	41-4c-43-4c-b3-d1-41-12	Activating

Clear

Physical Info   **Report**