GPON Phantom™

Passive LI Solution for GPON Optical Fiber Lines

Capable of Monitoring Any Activity, Including Peer-to-Peer

Interoperable with Any PON, Does Not Contain GPON Chipset

Standard Interface to Mediation Devices and Monitoring Systems

Easy to Install and Maintain with Minimum Number of People Involved

Lawful Interception Solution for GPON Optical Fiber Lines

GPON Phantom is a unique passive tapping solution for Lawful Interception (LI) of optical fiber lines using GPON technology and deployed in a Fiber-to-the-x (FTTx) topology. The GPON Phantom records and stores broadband digital information, offering unique advantages for Law Enforcement Authorities (LEAs) looking to capture any data between the central office and the target.

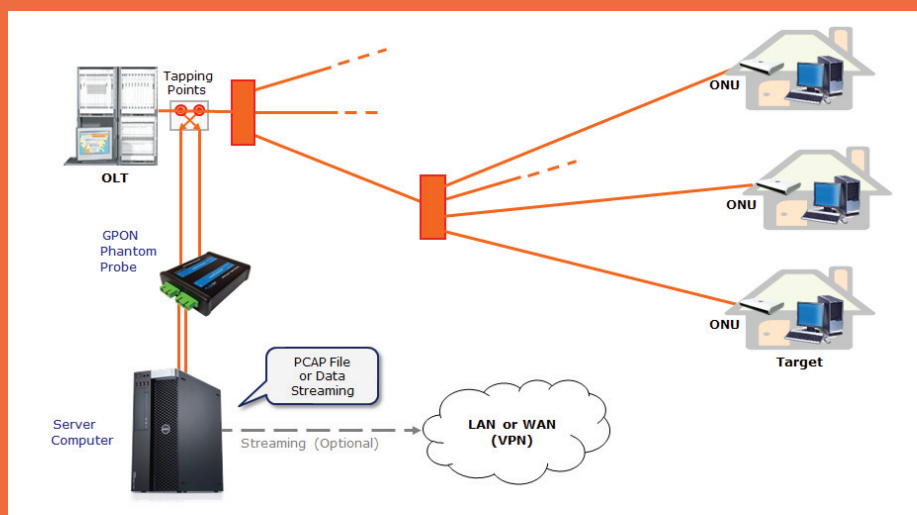## Passive and Chipset Independent

GPON Phantom is a fully passive solution, allowing the LEA to monitor the information without the risk of being detected even in case of a power outage. It provides solid evidence of the target's activity along with unique identification of the target.

GPON Phantom does not use any GPON chipset, making it interoperable with any PON.

GPON Phantom monitors and records data transparently within the GPON network. It can store the IP layer traffic locally or send it over a secure network to a remote monitoring facility.

Monitoring of Any Target on the PON

The point-to-multipoint topology of the PON network allows the GPON Phantom to be installed at the central office location and monitor any selected target on the PON.

Monitoring of Any Activity, Including Peer-to-Peer

GPON Phantom intercepts the target communication directly from the line and collects 100% of the information in both directions, to and from the communications provider. It can capture any activity including peer-to-peer traffic, which is not accessible by centralized monitoring solutions.

Mobile Small Form Factor

Thanks to its small form factor the GPON Phantom system can be installed at virtually any location (central office, communication room, basement or street cabinet) and store the data locally or stream it to a remote location.

Easy to Install and Operate

The GPON Phantom is easy to install and operate, thus allowing the LEA to use it with minimal training and to carry out the interception activity a minimal number of people involved.

Specifications

Probe Dimensions	Height: 34 mm (1.3 in.)
	Width: 106 mm (4.2 in.)
	Depth: 126 mm (5.0 in.)
	156 mm (6.1 in.) including optical connectors
EMC Standards	FCC 47CFR Part 15, Subpart B, Class A
	EN 61326-1, Class A
Safety Standards	IEC 61010-1, EN 61010-1

For More Information
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