



Interception Solution for GPON Optical Fiber Lines

GPON Phantom™

TraceSpan's GPON Phantom™ is a unique passive tapping device for Lawful Interception (LI) of optical fiber lines using GPON technology and deployed in an FTTx topology (Fiber to the Neighborhood, Curb, Premises or Home). GPON Phantom™ records and stores broadband digital information, offering unique advantages for Law Enforcement Authorities (LEA) looking to capture any data between the central office and the target.

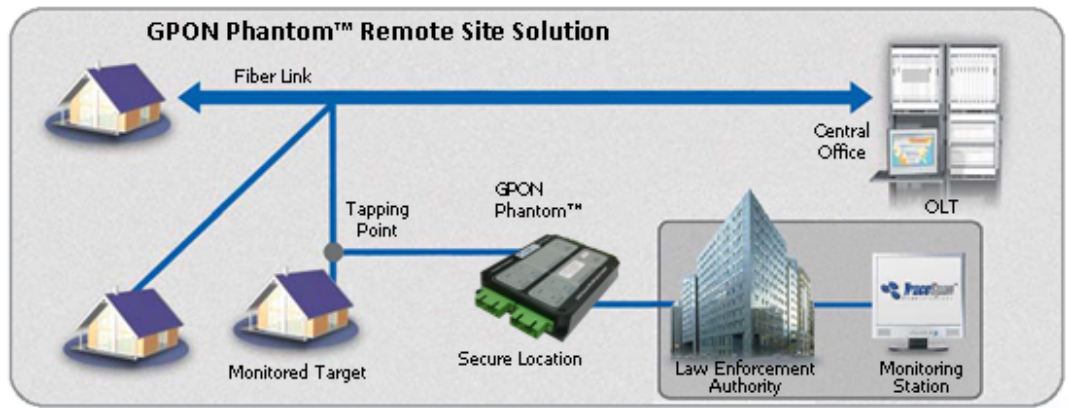
GPON Phantom™ monitors and records data transparently within the GPON network. IP layer traffic can be stored or sent over a secure network to the monitoring facility. GPON Phantom™ can be used either as an independent unit, or as part of a comprehensive LI monitoring environment. It can be used as a tactical solution for monitoring a single target, as well as a centralized solution for monitoring multiple targets.

GPON Phantom™ operates on a powerful platform that supports high bit rates, enabling it to monitor all of the information on the line, both upstream and downstream. It can be installed at virtually any location (central office, basement or outdoor cabinet), while the data can be monitored at a remote location. GPON Phantom™ allows the law enforcement agency to monitor information without being detected while providing solid evidence with unique identification of the target.

GPON Phantom™ is based on TraceSpan's technology, which provides innovative and unique solutions for the monitoring and recording of data across broadband networks.

GPON Phantom™ Advantages

- Passive
- Capable of monitoring any activity including peer-to-peer
- Can serve as a tactical solution as well as a cost-effective centralized monitoring solution
- Does not contain GPON chipset, eliminating interoperability issues
- Installed and operated with minimal number of people
- Easy to install and maintain
- No effect on user in case of power outage or disconnection of monitoring equipment
- Simultaneous extraction of upstream and downstream data including time stamp
- Standard interface to mediation device



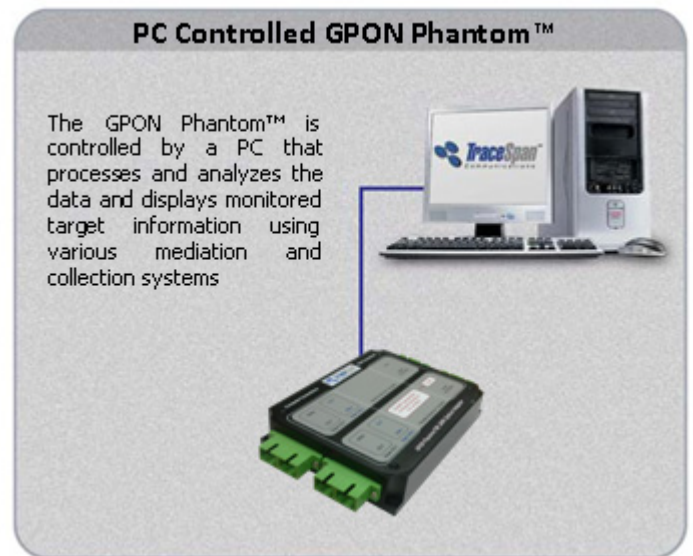
**Remote Site Solution –
Monitoring of a Single Target**



**Centralized Solution –
Monitoring of a Single Target
or Multiple Targets**

Specifications

BOX Dimensions (including optical connectors)	<ul style="list-style-type: none"> ▪ Height: 22 mm (0.9 in.) ▪ Width: 90 mm (3.5 in.) ▪ Depth: 150 mm (5.9 in.)
Certification	<ul style="list-style-type: none"> ▪ CE
Power Supply	Fully passive probe – no power supply needed
Standards Supported	<ul style="list-style-type: none"> ▪ ITU-T G.984.2 – GPON PMD ▪ ITU-T G.984.3 – GPON MAC
Intercepted data	Saved on Hard Disk



Contact Information

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