

# Perytons Network Visibility



## Peryton-Anywhere - Remotely Monitor and Analyze Your Networks ΚΕΙΜΕΝΟ-ΑΥΛΩΜΟΣΙΣ - ΚΕΙΜΕΝΟΙΣ ΜΟΥΣΙΚΟΙ ΣΥΝ ΗΜΕΙΣΤΑΣ ΤΟΠΙ ΙΝΕΓΜΟΙΣ?

Implementing, deploying and supporting wireless or narrow-band power line communication based networks can be a big challenge. These networks may be located on 3<sup>rd</sup> party premises (e.g. customers or partners), use a shared physical communication medium (e.g. ISM wireless band, or the public/private power lines) which is subject to unexpected interferences and may involve equipment developed by a variety of vendors.

Keeping a track on these networks is essential in their initial implementation phase as well as while providing ongoing maintenance and support. Relying on on-site visits or on cooperation from the customer's personnel which may not be highly technical, is costly, requires extensive efforts, and may prevent maintaining the high level of service that customers and partners expect.

The Peryton-Anywhere allows remotely monitoring and analyzing these networks. All that is needed is to place a Peryton-Gateway (included in the Peryton-Anywhere Add-On) on site, with the relevant capturing front-end.

The Peryton-Gateway is connected to the Internet cloud through the existing broadband infrastructure (e.g. Ethernet or Wi-Fi), or by using a dedicated 3G cellular link (independent on the site's communication facilities).

The Peryton-Gateway can be then accessed remotely by a Perytons Protocol Analyzer located in the company's headquarters, lab or technical support center.

Pending capabilities of the front-end connected to the Peryton-Gateway useful features like: capturing and analysis of the remote site communication, searching the RF channels or power-line for interferences and even generating traffic if needed.



### Variety of protocols

By using the appropriate capture front-end, the Peryton-Anywhere can capture data from 2.4GHz or Sub 1-GHz bands IEEE 802.15.4 based networks (e.g. ZigBee, RF4CE, 6LoWPAN, Google Thread), Bluetooth Smart and narrow-band power line data networks such as PRIME and G3.

The Peryton-Anywhere can be used with Peryton-S, Peryton-SG, Peryton-Smart, Peryton-PRIME or Peryton-G3.

### Quick and Friendly Configuration

The Perytons-Gateway is configured by any web browser for an immediate out-of-the-box usage.



## Deployment support tool

The same Peryton-Gateway that takes part in the Peryton-Anywhere, can be also used as an independent capture agent of the Peryton-Network Visibility solution. This allows managing a large number of Peryton-Gateways, distributed over many remote installations running different protocols. At the Perytons Network Visibility control center the user can view the different networks and their status, collect and store data, make automatic or manual inspection and analysis and more. This is an essential tool for the initial deployment and pilot stage as well as for deployment and maintenance of large scale Internet of Things networks (for more details see - [www.perytons.com/network](http://www.perytons.com/network)).



## Counter-cyber capabilities

With the rapid growth of the Internet Of Things, it becomes more vulnerable and exposed to cyber security attacks.

Peryton-Anywhere can be used for continuous monitoring of the IoT network in key points. Using the Peryton-Scripting user-defined rules on the captured data allows identifying irregular or malicious behavior such as unplanned over-the-air downloads, harmful response attacks and security keys breach. In addition these tools permit performing detailed post-event forensic analysis.

Using the Peryton-Anywhere is a key for making your IoT system safer.



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