

Perytons 802.15.4/ZigBee/6LoWPAN Protocol Analyzers

IEEE 802.15.4 and ZigBee are the leading standards for smart energy networks, home automation, sensor networks, and many other exciting applications. 6LoWPAN is another alternative to transmit IP traffic on top of 802.15.4.

The variety of players in this evolving arena — combined with the assortment of features and options proposed by the standard — can make the development, debugging, and rollout of 802.15.4/ZigBee/6LoWPAN solutions under demanding time-to-market constraints a big challenge.



Overcoming this challenge, Perytons protocol analyzers are an indispensable tool for 802.15.4/ZigBee/6LoWPAN development, integration, installation, monitoring, and troubleshooting. Perytons analyzers combine full coverage of the 2.4Ghz band with a rich and user-friendly analysis toolbox. Ours are the only analyzers on the market today that support multi-antenna operation.

Perytons 802.15.4/ZigBee/6LoWPAN analyzer include:

- Peryton-V
View and analysis tool. It allow to analyze existing data capture files.
- Peryton-S
Single channel analyzer capable of recording traffic from a single predefined channel within the 2.4Ghz band.
- Peryton-D
Allow single channel recording with multiple antennas, guaranteeing very low packet loss rate.
- Peryton-M

Multi channel analyzer capable of recording up to 16 channels simultaneously therefore capable of recording all 802.15.4 traffic within the 2.4Ghz band with no preliminary assumption on the target networks channel settings

All products share the same architecture and assure compatibility and ease of upgrade.

On top of any of these models, the following Add-Ons may be used:

- Peryton-SDK

Software Development Kit allowing the user to add its own protocol on top of the 802.15.4 or ZigBee layers. Runs on top of any of the other Peryton models.

- Peryton-Monitor

Real time monitor and statistics tool. Allowing to monitor operational networks for failures or performance and generate events, e-mail alarm notifications and user defined statistics.