

G3-PLC Alliance Conformance and Performance Tester

G3-PLC devices protocol automated testing



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Founding Member of **G3-PLC Alliance**

Product overview

The G3-PLC Alliance Conformance and Performance Tester is the official G3-PLC Alliance test tool used by accredited labs for the conformance and performance tests of G3-PLC certification. With this tool, you are able to execute the complete conformance and performance test suite to check the conformance and performance of G3-PLC devices with respect to G3-PLC specification. You may also create your own test scenarios in order to extend the test coverage. Test scenarios can be grouped, to perform fully automated test campaigns.

Optionally, this tool also allows to execute the conformance test suite verifying the conformance of the hybrid PLC&RF feature.

Features

■ Get prepared to G3-PLC certification

The G3-PLC Alliance Conformance and Performance Tester comes with a Conformance and Performance Test Suite that is exactly the same as the one performed by the accredited labs, allowing to prepare for certification and debug issues in your own lab.

■ Set G3-PLC Alliance PICS and PIXIT

Edit the PICS and PIXIT of the tested device to allow proper testing of your device depending on its configuration and the supported features.

■ Run G3-PLC Alliance Conformance Test Suite

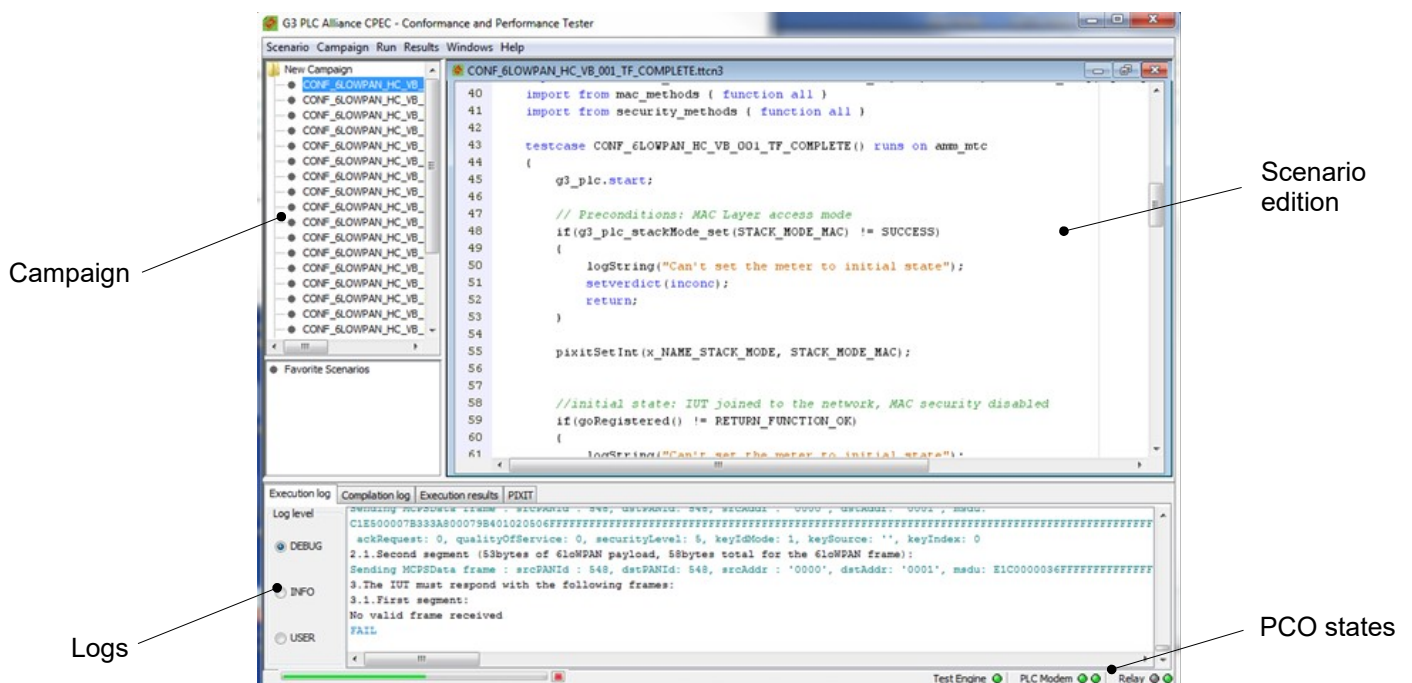
Execute the included test suite that allows to check the conformance of your G3-PLC device with respect to G3-PLC specification. In option, execute the test suite allowing to verify the conformance of the hybrid PLC&RF feature.

■ Run G3-PLC Alliance Performance Test Suite

Execute the included test suite that allows to check the performance of your G3-PLC device. Note that the equipment required to perform the performance tests are not included.

■ Export logs and results

Logs and results can be exported as a PDF report, with attached detailed execution logs.



■ Detailed user's guide and user's manual

The G3-PLC Alliance Conformance Tester is provided with a detailed user's guide and user's manual for proper use of the tool.

■ Create and edit additional TTCN-3 scenarios

Create and edit additional test scenarios written in TTCN-3, an

■ Included PCOs

The G3-PLC Alliance Conformance and Performance Tester is delivered with two Points of Control and Operation: G3-PLC (to send and receive G3-PLC frames) and Relay (to switch off / switch on the DUT). In option, a G3-RF PCO may be included (to send and receive G3-RF frames).

ETSI standardized programming language dedicated to test coding. TTCN-3 language specifications are also included.

- **Manage scenarios and campaigns**

Group test scenarios into test campaigns, to execute several test scenarios as a batch.

About us

With a leading position on the worldwide Power Line Communication market, TRIALOG provides a high degree of expertise and a complete laboratory tools suite to carry its customers to efficient solutions.