

CERTIFICATE

Certificate registration number: G3.2301.556.2.A6

Certificate holder: Shenzhen CLOU Electronics Co., Ltd

Product designation: CL710K22,

Hardware version CL710K24, Firmware version V2.2.02

Certification date: January 9th 2023

This certificate indicates the above mentioned product successfully completed certification testing with regards to the G3-PLC Alliance reference specification 06/2021. The optional feature coherent mode of the G3-PLC protocol is also covered by this certification.

The certificate applies to certification profile CENELEC A and the device was configured as a PAN-Device.

Test cases have been performed as described in the test report referred to below. This certificate is granted on account of tests conducted by Laboratoire des Applications Numériques (LAN) in Tauxigny, France in November 2022. The results and remarks can be found in the complete test report.

Applied tests	Performed by	Document evidence
Conformance, interoperability and performance testing according to the test specification referenced by the test report	Laboratoire des Applications Numériques (LAN)	LAN22AF069

The device tested is a G3-PLC CENELEC A 1-phase meter. The meter is equipped with the G3-PLC certified platform HT8922 with certificate no. G3.2208.526.1.A6. The Protocol Implementation Conformance Statement in the Annex includes the PICS related to performance and is an integral part of this certificate. This certificate is valid from January 9th 2023.

The certificate is only applicable to the product described above and permits the use of the G3-PLC™ logo as laid down in the G3-PLC logo license agreement.

This certificate does not imply assessment of the production. This certificate shall not be defined, or used as a guarantee covering quality of a product which includes G3-PLC. The liability of the Alliance and the test laboratory or any of her representatives is excluded for any damages or losses of the certified company.

Paris, January 9th 2023

For the G3-PLC Alliance:

Marc Delandre Chairman A-LLS

Madeleine Francillard
Chair Certification Program





Annex 1: Protocol Implementation Conformance Statement (PICS)

Feature implementation statement

Name	Value	Description
BAND_PLAN	CENELEC A	Indicate the band-plan supported by the device
BAND_PLAN_RF	N/A	Indicate the RF band plan(s) supported by the device
FEATURE_HYBRID_RF	FALSE	Indicate if Hybrid PLC&RF feature is supported
FEATURE_PAN_ COORDINATOR	FALSE	Indicate if the device is a PAN- Coordinator (true) or a normal device (false)
FEATURE_COHERENT_ MODULATION	TRUE	Indicate if coherent modulation is supported
		Indicate if an EAP-PASK server is implemented by the DUT
FEATURE_EAP_SERVER	FALSE	Apply only if FEATURE_PAN_COORDINATOR = true
FEATURE_D8PSK_ MODULATION	TRUE	Indicate if D8PSK modulation is supported
FEATURE_ROUTING	TRUE	Indicate if the routing is implemented by the IUT
FEATURE_SECURITY	F1	Indicate the security implemented by the device. Possible values are: F1, F2
FEATURE_ACTIVE_SCAN	TRUE	Indicate if the active scan process is done by the IUT after power-up
FEATURE_PREAMBLE_ COEXISTENCE_MECHANISM	FALSE	Indicate if the preamble-based coexistence mechanism is used by the IUT

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Annex 2: Protocol Implementation Conformance Statement (PICS)

PICS related to performance (1/2)

Name

The device tested is a G3-PLC CENELEC A 1-phase meter. Testing was performed on phase 1.

Operating voltage applied for certification testing was 230V / 50Hz.

Value Unit

PICS related to	performance
are ava	ailable
through ve	endor only.

If My

Description

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Annex 2: Protocol Implementation Conformance Statement (PICS)

PICS related to performance (2/2)

Name	Value	Unit	Description
PICS r	elat a hro	ed to re av	o performance vailable vendor only.

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Annex 3: Copy of test report cover sheet



G3-PLC Alliance

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G3-PLC Product Certification Test Report

Vendor Name Shenzhen CLOU Electronics Co., Ltd

 Model Name
 CL710K22

 Serial N°
 54922001421

 HW version
 CL710K24

 FW version
 V2.2.02

Test Report # TR_LAN22AF069 Ed.00
Date January 5, 2023

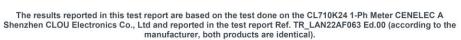
18/01/2022 **CONF Tests Specification** version 0.37. **CONF Tests Suite** version 2.14. 02/2022 **IOT Tests Specification** version 0.14. 11/11/2022 version 2.7. 11/2021 **IOT Tests Suite** PERF Tests Specification version 0.27. 05/03/2019 PERF Tests Suite version 2.14. 02/2022

Test Tool version 3.2
Tester Modem version 2.0.1
Contifection Test Procedures version 6.04

Certification Test Procedures version 6.04 06/09/2022

Certification Profile A (CENELEC A)

Role Meter Overall Verdict PASS



Initiation	Date	Description of modification	Ed.
Omar DIOUF	January 10, 2023	Creation	00
	Realised by	Checked by	Approved by
Name	Omar DIOUF	Vincent BUCHOUX	Thierry DOLIGEZ
Date	January 5, 2023	January 5, 2023	January 5, 2023
Sign	8	V. B. X	

The current report and the test results produced in this current are given for information only and must not be relied on by any third person for any reason

This report contains an assessment of the apparatus carried out on samples submitted to the laboratory. The results in this report relate only to the items tested and were obtained in the period between the initial receipt of samples and the issue of the report. It should be noted that technical hardware or software modifications on the apparatus may largest the results reported in this document.

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