

Certificate registration number: G3.2301.557.2.A6

Certificate holder: Shenzhen CLOU Electronics Co., Ltd

Product designation: CL730S22, Hardware version CL730S24, 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)	LAN22AF070

The device tested is a G3-PLC CENELEC A 3-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



Madeleine Francillard Chair Certification Program

G3-PLC Alliance

Authenticity of this certificate can be verified at https://g3-plc.com/g3-plc-certification/certified-products/ Page 1 of 6

Annex 1: Protocol Implementation Conformance Statement (PICS)

G3-PLC CENTIFIED

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	
FEATURE_EAP_SERVER FALSE		Indicate if an EAP-PASK server is implemented by the DUT	
	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)

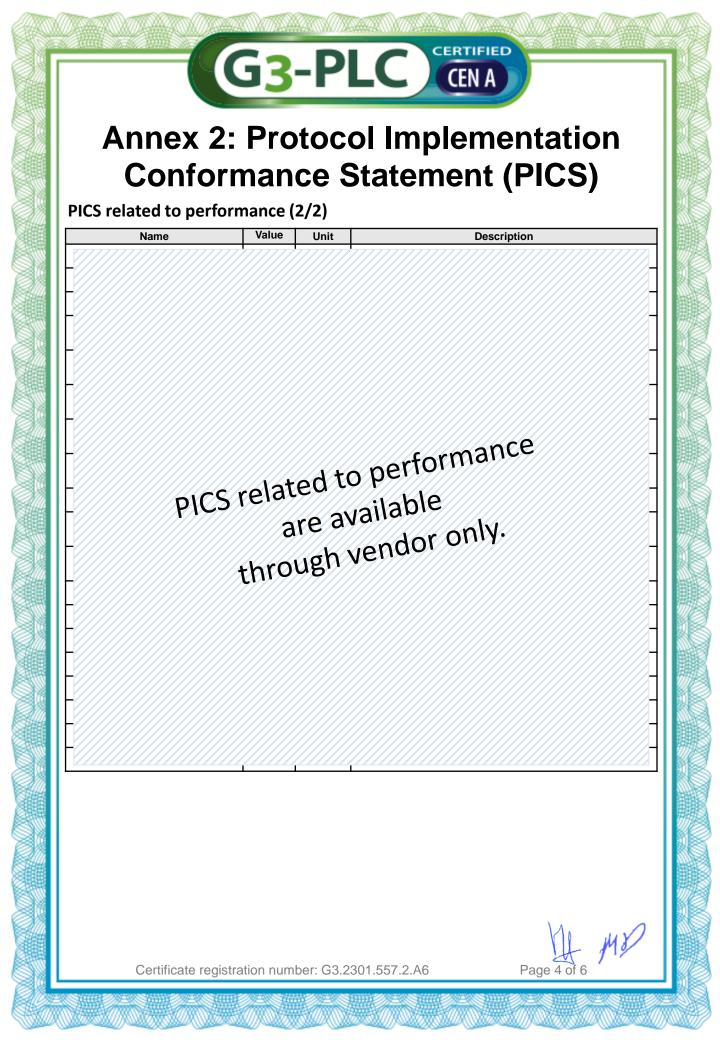
G3-PLC CENTIFIED

PICS related to performance (1/2)

The device tested is a G3-PLC CENELEC A 3-phase meter communicating on 3 phases. Testing was performed on phase 1.

Operating voltage applied for certification testing was 3 x 230V / 50Hz.

Name Value Unit Description PICS related to performance are available through vendor only. If mo Certificate registration number: G3.2301.557.2.A6 Page 3 of 6



G3-PLC CENA

Annex 3: Copy of test report cover sheet



G3-PLC Certification Test Report

Shenzhen CLOU Electronics Co., Ltd CL730S22 HW:CL730S24 FW: v2.2.02 Ed.00 January 5, 2023 Page 1/47

G3-PLC Alliance **G3-PLC Product Certification Test Report**

Vendor Name

Model Name Serial N° HW version FW version

Test Report # Date

Shenzhen CLOU Electronics Co., Ltd CL730S22 54922007477 CL730S24 V2.2.02

TR_LAN22AF070 Ed.00 January 5, 2023

CONF Tests Specification CONF Tests Suite IOT Tests Specification IOT Tests Suite PERF Tests Specification PERF Tests Suite	version 0.37. version 2.14. version 0.14. version 2.7. version 0.27. version 2.14.	18/01/2022 02/2022 11/11/2022 11/2021 05/03/2019 02/2022	Image: Processing of the second sec
Test Tool Tester Modem Certification Test Procedures	version 3.2 version 2.0.1 version 6.04	06/09/2022	
Certification Profile A (CE	ENELEC A)		L.L. I.

Role Meter **Overall Verdict** PASS

pparatus may impact the results reported in this document.

The results reported in this test report are based on the test done on the CL730S24 3-Ph Meter CENELEC A Shenzhen CLOU Electronics Co., Ltd and reported in the test report Ref. TR_LAN22AF064 Ed.00 (according to the manufacturer, both products are identical).

Initiation	Date	Description of modification	Ed.
Omar DIOUF	January 5, 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	SM/	X	<i>2</i> 95

rent 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 reasor This report contains an assessment of the apparatus carried out on same ed in the period b lifications on the ples and the issue of the report. It should b

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