

Certificate registration number: G3.2403.602.2.C6

Certificate holder: Hexing Electrical Co., Ltd.

Product designation: HXE110, Hardware version meter: PHXE110R4800105, Hardware version module: PMPP72R1100201, Firmware version 3.05.04

Certification date: March 13th 2024

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

The certificate applies to certification profile FCC Multipurpose Worldwide 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 TÜV Rheinland in Yokohama, Japan in February 2024. 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	TÜV Rheinland Japan	JP24S2BQ 001

The device tested is a G3-PLC FCC 1-phase meter. The meter is equipped with the G3-PLC certified platform REL-G3PLC-CPX3+TRG with certificate no. G3.2204.507.1.C6. 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 March 13th 2024.

The certificate is only applicable to the product described above and permits the use of the G3-PLC certification logo as laid down in the G3-Alliance 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, March 13th 2024

For the G3-Alliance:

Marc Delandre

Chairman

4-1-3

Madeleine Francillard Chair Certification Program

G3-Alliance

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

G3-PLC FC Annex 1: Protocol Implementation Conformance Statement (PICS)

Feature implementation statement

Name	Value	Description	
BAND_PLAN	FCC	Indicates whether the band-plan supported by the device	
BAND_PLAN_RF	N/A	Indicates whether the RF band plan(s) supported by the device	
FEATURE_HYBRID_RF	FALSE	Indicates whether Hybrid PLC+RF feature is supported	
FEATURE_PAN_ COORDINATOR	FALSE	Indicates whether the device is a PAN-Coordinator (true) or a normal device (false)	
FEATURE_COHERENT_ MODULATION	TRUE	Indicates whether coherent modulation is supported	
FEATURE_EAP_SERVER	FALSE	Indicates whether an EAP-PASK server is implemented by the DUT	
		Apply only if FEATURE_PAN_COORDINATOR = true	
FEATURE_D8PSK_ MODULATION	TRUE	Indicates whether D8PSK modulation is supported	
FEATURE_ROUTING	TRUE	Indicates whether the routing is implemented by the IUT	
FEATURE_SECURITY	F1	Indicates whether the security implemented by the device. Possible values are: F1, F2	
FEATURE_ACTIVE_SCAN	TRUE	Indicates whether the active scan process is done by the IUT after power-up	
FEATURE_PREAMBLE_ COEXISTENCE_MECHANISM	FALSE	Indicates whether the preamble- based coexistence mechanism is used by the IUT	
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Annex 2: Protocol Implementation Conformance Statement (PICS)

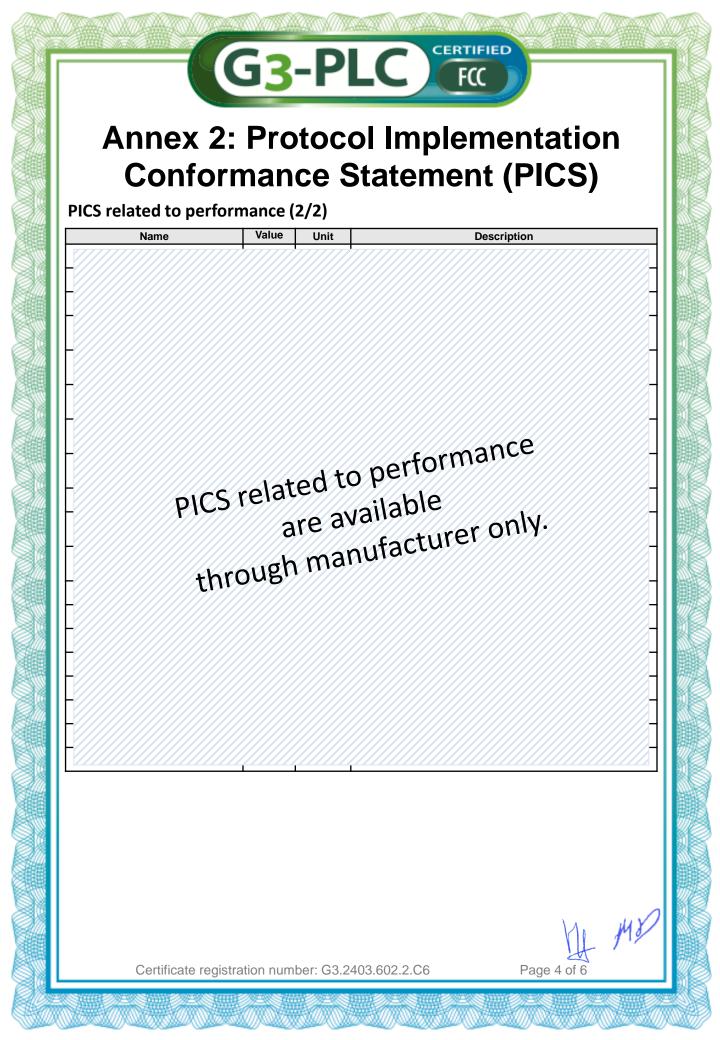
G3-PLC FCC

PICS related to performance (1/2)

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

Operating voltage applied for certification testing was AC230V/50Hz.

Name Value Unit Description PICS related to performance are available through manufacturer only. I MD Certificate registration number: G3.2403.602.2.C6 Page 3 of 6



Annex 3:

G3-PLC FCC

Copy of test report cover sheet

Prüfbericht-Nr.:	JP24S2BQ 001	Order No.: Auftragsnr.:	150287084 10	Page 1 of 55 Seite 1 von 55
Client reference no.: Kunden-Referenz-Nr.:	HXE110	Order date: Auftragsdatum:	2024-01-15	
Client: Auftraggeber:	Hexing Electrical Co., Ltd., 1 China	418 Moganshan R	oad,, 310011 Hangzh	ou City, P.R.
Test item: Prüfgegenstand:	Meter (FCC)			
Identification / Type no.: Bezeichnung / Typ-Nr.:	HXE110			
Order content: Auftrags-Inhalt:	G3 Certification Test			
Test specification Prüfgrundlage:	G3-Alliance - Conformance T G3-Alliance - 1to1-PHY-Inter G3-Alliance - Performance T G3-Certification Test Proced	operability-Tests-S est Suite Specifica	Specification-v0.14	
Date of sample receipt: Wareneingangsdatum:	2024-02-16	0	CS-PLC Moders	
Test sample no: Prüfmuster-Nr.:	A003660487-003	•	HEXING	9
Testing period: Prüfzeitraum:	2024-02-21 - 2024-02-23			-
Place of testing: Ort der Prüfung:	4-25-2 Kita-Yamata, Tsuzuki-ku Yokohama 224- 0021, Japan	111	Mo 23302267 Mo 2330267 Mo 23307 Mo 2330267 Mo 2330267 Mo 23300 Mo 233000 MO 233000 MO 233000 MO 233000 MO 23300 MO 23300	T
Testing laboratory: Prüflaboratorium:	TÜV Rheinland Japan Ltd.	1		
Test result*: Prüfergebnis*:	Pass	1.	and the set	Jun -
tested by: geprüft von:	/ > `	authorized by: genehmigt von:	/ /	
Date: 2024-03-02 Datum:	Martin Zietz	Issue date : 2024 Ausstellungsdatu		Shuji Saito
Position / Stellung:	Tester	Position / Stellur	ng:	Reviewer
Other: Sonstiges:				
Condition of the test item Zustand des Prüfgegensta	ndes bei Anlieferung:	Prüfmuster vollsta	te and undamaged ändig und unbeschädi	×
* Legend: P(ass) = passed a.m * Legende: P(ass) = entspricht o		test specification(s) nicht o.g. Prüfgrundlage(n)	N/A = not applicable N/A = nicht anwendbar	N/T = not tested N/T = nicht getestet
is not permitted to Dieser Prüfbericht bezieht s vervielfältig	to the above mentioned test sa be duplicated in extracts. This ich nur auf das o.g. Prüfmuster un t werden. Dieser Bericht berechtig	test report does not ad darf ohne Genehm	t entitle to carry any te nigung der Prüfstelle nich	st mark.
TÜV Rheinland Japan Ltd.	, Global Technology Assessment Cen Mail: g3plc@tuv.com		Tsuzuki-ku Yokohama 224	I-0021, Japan