# C E R T I F I C A T E

**Certificate registration number:** G3.2505.686.2.A7

**Certificate holder:** EDMP Trading LLC.

**Product designation:** Magno Collector,
Hardware version V1.0, Firmware version 6.3.8-v1861160a-r2_1rc0

**Certification date:** May 20th 2025

This certificate indicates the above-mentioned product successfully completed certification testing with regards to the G3-Alliance reference specification ITU G.9903 (08-2017) including Amendment 1 (05/21), Amendment 2 (03/23) and Corrigendum 1 (03/23), as published on https://www.itu.int/rec/T-REC-G.9903.

The certificate applies to certification profile CENELEC A and the device was configured as a PAN-Coordinator. The optional features of the G3 protocol coherent mode and support of 12 SYNCP symbols are also covered by this certification.

Test cases have been performed as described in the test report referred to below. This certificate is granted on account of tests conducted by LANPARK in Tauxigny, France in April 2025. 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 | LANPARK | LAN24AF078 |

The device tested is a G3-PLC CENELEC A 3-phase data concentrator. The product is equipped with the G3-Alliance certified platform Magno Collector with certificate no. G3.2505.684.1.A7. 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 May 20th 2025.

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-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, May 20th 2025

For the G3-Alliance:

**Marc Delandre**
Chairman

**Madeleine Francillard**
Chair Certification Program

# Annex 1: Protocol Implementation Conformance Statement (PICS)

## Feature implementation statement

| Name | Value | Description |
|---|---|---|
| BAND_PLAN | CENELEC A | Indicates the band-plan supported by the device |
| BAND_PLAN_RF | N/A | Indicates the RF band plan(s) supported by the device |
| FEATURE_HYBRID_RF | FALSE | Indicates whether Hybrid PLC&RF feature is supported |
| FEATURE_PAN_ COORDINATOR | TRUE | 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 | TRUE | Indicates whether an EAP-PASK server is implemented by the DUT<br>Applies only if FEATURE_PAN_COORDINATOR = true |
| FEATURE_D8PSK_ MODULATION | TRUE | Indicates whether D8PSK modulation is supported |
| FEATURE_ROUTING | TRUE | Indicates whether routing is implemented by the IUT |
| FEATURE_SECURITY | F1 | Indicates 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 |
| FEATURE_HYBRID_RF | FALSE | Indicates whether Hybrid PLC+RF feature is supported |
| FEATURE_FREQUENCY_HOP PING | FALSE | Indicates whether the Frequency Hopping mechanism is supported |
| FEATURE_PREAMBLE_12_SY NCP | TRUE | Indicates whether the device supports the transmission and reception of frames with preamble of 12 SYNCP symbols |

# Annex 2: Protocol Implementation Conformance Statement (PICS)

**PICS related to performance (1/2)**

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

Operating voltage applied for certification testing was 3x230V / 50Hz.

| Name | Value | Unit | Description |
|---|---|---|---|
| PICS related to performance are available through manufacturer only. | | | |

# Annex 2: Protocol Implementation Conformance Statement (PICS)

**PICS related to performance (2/2)**

| Name | Value | Unit | Description |
|---|---|---|---|
| PICS related to performance are available through manufacturer only. | | | |

# Annex 3:
# Copy of test report cover sheet



## G3-Alliance

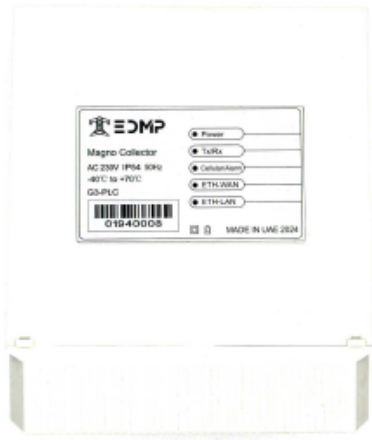
## G3-PLC Product Certification Test Report

| | |
|---|---|
| Vendor Name | EDMP Trading LLC. |
| Model Name | Magno Collector |
| Serial N° | 01940008 |
| HW version | V1.0 |
| FW version | 6.3.8-v1861160a-r2_1rc0 |
| Test Report # | TR_LAN24AF078 Ed.00 |
| Date | May 14, 2025 |

| | | |
|---|---|---|
| CONF Tests Specification | version 0.39. | 06/06/2023 |
| CONF Tests Suite | version 2.15p3. | 08/2024 |
| IOT Tests Specification | version 0.15. | 06/06/2023 |
| IOT Tests Suite | version 2.8p1. | 10/2023 |
| PERF Tests Specification | version 0.28. | 06/06/2023 |
| PERF Tests Suite | version 2.15p3. | 08/2024 |

| | | |
|---|---|---|
| Test Tool | version 3.3.1 | |
| Tester Modem | version 2.0.1 | |
| Certification Test Procedures | version 7.2 | 20/12/2023 |

| | |
|---|---|
| Certification Profile | A (CENELEC A) |
| Role | Data Concentrator |
| Overall Verdict | PASS |




| Initiation | Date | Description of modification | Ed. |
|---|---|---|---|
| Omar DIOUF | May 14, 2025 | Creation | 00 |
| | | | |

| | Realised by | Checked by | Approved by |
|---|---|---|---|
| Name | Omar DIOUF | Vincent BUCHOUX | Thierry DOLIGEZ |
| Date | May 14, 2025 | May 14, 2025 | May 14, 2025 |
| Sign | | | |