

EU-TYPE EXAMINATION CERTIFICATE

Electromagnetic Compatibility Directive 2014/30/EU
EU Notified Body Number NB 0649

Product: IO Module

Manufacturer: FuYanSheng Electronic(Fujian)Co.,Ltd
Building 10,Block A,Junhe Yungu Southeast Science and
Technology Innovation Base,No.33 LiuqiaoRoad,Shangjie
Town, Minhou County,Fujian Province, China

Trade mark / Brand (if any): FAS

Model/Type Ref: FNI IOL-711-006-M12

Essential Requirement		Applicable Standards / Specifications	Test report ref.	Result
Annex I, Art. 1(a)	Disturbance	EN IEC 61000-6-4 :2019	KSEM241200325701	conform
Annex I, Art. 1(b)	Immunity	EN IEC 61000-6-2 :2019	KSEM241200325701	conform

The device shall be marked with the CE marking as shown in accordance with Article 17 of the EMC Directive. (See Annex 2 of this document)



This EU-Type Examination Certificate is given in with respect to the Electromagnetic Compatibility Directive 2014/30/EU. EU Type Examination was performed according to Module B: EU-type examination procedure per Annex III the Directive on the essential requirements in Annex I, for the specific product and Certificate Number referenced above.

This EU Type Examination Certificate is based upon the review of the Technical Documentation and supporting evidence for the adequacy of the technical design solution, it is only valid in conjunction with the attached Annexes. The scope of this statement relates to a single sample of the apparatus identified above and of the submitted documents only.

This EU Type Examination Certificate has been issued in accordance with the SGS CEBEC certification program CPRStd022, which is available on request.

Brussels, 24/01/2025

E. THIBAUT,
Certification Manager.



ANNEX 1 to EU-Type Examination Certificate

Technical Details :

Ratings and principal characteristics: DC 18-30V

Additional information (if any) : /

Technical Construction File Details (Documents Reviewed):

Test reports: KSEM241200325701

including : Photographs or illustrations showing external features and markings

Supporting Documentation:

Technical documentation including:

- General description of the apparatus : Operational description FNI IOL-711-006-M12 dated 2025/1/10
- User information and installation instructions : Instruction manual FNI IOL-711-006-M12 Version A0 and dated 2025/1/22
- Versions of software or firmware affecting compliance with essential requirements : Software version: V2.03
- Design and manufacturing drawings and layouts of components, sub-assemblies, circuits :
 - Block diagram Model No.:FNI IOL-711-006-M12 dated 2025/01/10.
 - BOM Model No.:FNI IOL-711-006-M12 dated 2025/01/10.
 - Electrical Circuit Diagram Model No.:FNI IOL-711-006-M12 dated 2025/01/17.
 - PCB Layouts Model No.:FNI IOL-711-006-M12 dated 2025/01/10.
- Adequate analysis and assessment of the risk : Risk analysis model no.: FNI IOL-711-006-M12 dated 2025/01/10
- Documentation, routine tests and inspections performed in receiving, in-process and final inspection and testing in order to ensure continued conformity of the end product : ISO 9001:2015 certificate valid until April 19,2026
Permanent Document CIG 022 Section B2 dated 2025-01-10.

ANNEX 2 to EU-Type Examination Certificate

Obligations of manufacturers per EMCD 2014/30/EU Article 7

1. When placing their apparatus on the market, manufacturers shall ensure that they have been designed and manufactured in accordance with the essential requirements set out in Annex I.
2. Manufacturers shall draw up the technical documentation referred to in Annex II or Annex III and carry out the relevant conformity assessment procedure referred to in Article 14 or have it carried out.

Where compliance of apparatus with the applicable requirements has been demonstrated by that procedure, manufacturers shall draw up an EU declaration of conformity and affix the CE marking.

3. Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the apparatus has been placed on the market.
4. Manufacturers shall ensure that procedures are in place for series production to remain in conformity with this Directive. Changes in apparatus design or characteristics and changes in the harmonised standards or in other technical specifications by reference to which conformity of apparatus is declared shall be adequately taken into account.
5. Manufacturers shall ensure that apparatus which they have placed on the market bear a type, batch or serial number or other element allowing their identification, or, where the size or nature of the apparatus does not allow it, that the required information is provided on the packaging or in a document accompanying the apparatus.
6. Manufacturers shall indicate, on the apparatus, their name, registered trade name or registered trade mark and the postal address at which they can be contacted or, where that is not possible, on its packaging or in a document accompanying the apparatus. The address shall indicate a single point at which the manufacturer can be contacted.

The contact details shall be in a language easily understood by end-users and market surveillance authorities.

7. Manufacturers shall ensure that the apparatus is accompanied by instructions and the information referred to in Article 18 in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned. Such instructions and information, as well as any labelling, shall be clear, understandable and intelligible.
8. Manufacturers who consider or have reason to believe that an apparatus which they have placed on the market is not in conformity with this Directive shall immediately take the corrective measures necessary to bring that apparatus into conformity, to withdraw it or recall it, if appropriate. Furthermore, where the apparatus presents a risk, manufacturers shall immediately inform the competent national authorities of the Member States in which they made the apparatus available on the market to that effect, giving details, in particular, of the non-compliance and of any corrective measures taken.
9. Manufacturers shall, further to a reasoned request from a competent national authority, provide it with all the information and documentation in paper or electronic form necessary to demonstrate the conformity of the apparatus with this Directive, in a language which can be easily understood by that authority. They shall cooperate with that authority, at its request, on any action taken to eliminate the risks posed by apparatus which they have placed on the market.

**Authorised representatives
Per EMCD 2014/30/EU Article 8**

1. A manufacturer may, by a written mandate, appoint an authorised representative.

The obligations laid down in Article 7(1) and the obligation to draw up technical documentation referred to in Article 7(2) shall not form part of the authorised representative's mandate.

2. An authorised representative shall perform the tasks specified in the mandate received from the manufacturer. The mandate shall allow the authorised representative to do at least the following:

(a) keep the EU declaration of conformity and the technical documentation at the disposal of national market surveillance authorities for 10 years after the apparatus has been placed on the market;

(b) further to a reasoned request from a competent national authority, provide that authority with all the information and documentation necessary to demonstrate the conformity of the apparatus;

(c) cooperate with the competent national authorities, at their request, on any action taken to eliminate the risks posed by the apparatus covered by the authorised representative's mandate.

**General Principles of the CE Marking
Per EMCD 2014/30/EU Article 16**

The CE marking shall be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008.

**Rules and Conditions for affixing the CE Marking
Per EMCD 2014/30/EU Article 17**

1. The CE marking shall be affixed visibly, legibly and indelibly to the apparatus or to its data plate. Where that is not possible or not warranted on account of the nature of the apparatus, it shall be affixed to the packaging and to the accompanying documents.

2. The CE marking shall be affixed before the apparatus is placed on the market.

3. Member States shall build upon existing mechanisms to ensure correct application of the regime governing the CE marking and shall take appropriate action in the event of improper use of that marking.