

Notified Body  
**TÜV Rheinland**  
**LGA Products GmbH**

Tillystraße 2  
90431 Nürnberg

notified by the  
Bundesnetzagentur für Elektrizität, Gas,  
Telekommunikation, Post und Eisenbahnen

**under No. 0197**

herewith issues an

**EU-Type Examination Certificate**

within the meaning of Annex III Module B of the 2014/53/EU Radio Equipment Directive (RED)  
for compliance with the essential requirements of this directive

Registration Number: RT 60172727 0001

Evaluation Report Nr.: CN23R17D 001

Manufacturer:

HORING LIH INDUSTRIAL CO., LTD.  
4F., NO. 18,  
LANE 327, SEC. 2, CHUNG SHAN RD.,  
ZHONGHE DIST., NEW TAIPEI CITY 235  
Taiwan

Product:

Radio Equipment  
(Reflective Beam Smoke Detector)

Type  
Identification:

EDB01 FL-EDB01  
(HORING Logo)

Essential  
requirements:

Article 3.2 Radio spectrum

The technical design of the assessed type has been verified based on the technical documentation presented by the manufacturer according to Annex III Module B of the Directive. As far as the essential requirements indicated, the Notified Body of TÜV Rheinland LGA Products GmbH confirms, that the technical design of the apparatus meets the essential requirements of the Directive 2014/53/EU Article 3.

This certificate consists of this page and Annex I.

Validity of the certificate is specified in the Annex I.

Date **28.09.2023**




Notified Body

  
S. Peng

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## Equipment

**Product** : Reflective Beam Smoke Detector  
**Trademark** :   
**Identification** : EDB01, FL-EDB01  
**Product description** : The product is a smoke detector with Bluetooth function.

## System description

Frequency band(s) of operation : 2400-2483.5MHz  
 Operating frequency : 2402-2480MHz  
 Channel spacing / bandwidth : 1MHz, 2MHz  
 RF output power : Bluetooth(BR/EDR): -0.64dBm (max.e.i.r.p.)  
 Bluetooth(LE): -0.58dBm (max.e.i.r.p.)  
 Type of modulation : GFSK, pi/4-DQPSK, 8-DPSK  
 Type of antenna : Integral Antenna  
 Mode of operation (simplex / duplex) : Duplex  
 Duty cycle (access protocol, if applicable) : Up to 100%  
 :  
 Hardware version : EDB01-00-A  
 Software version : EDB0100105

## Documentation

User information and installation instructions ☒  
 Block diagram ☒  
 Circuit diagram ☒  
 Part list ☒  
 PCB layout ☒  
 Photo documentation ☒  
 Versions of firmware/software used ☒  
 Statement of compliance with art. 10.2 it can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum. ☒  
 Risk Analysis ☒

## Conformity Assessment

Applied harmonised standards (Referred to the publication of harmonised standards in the official Journal of the EU at the time of issuance)			
Article	Standard	Test Report No.	Issued by
3.1a Health			
3.1a Safety			
3.1b EMC			
3.2 Radio	EN 300 328 V2.2.2	CN23Z3KM (EN300328-BT) 001 CN23Z3KM (EN300328-BLE) 001	TUV Rheinland Taiwan Ltd.
3.3 Others			

Applied non-harmonised standards			
Article	Standard	Test Report No.	Issued by
3.1a Health			
3.1a Safety			
3.1b EMC			
3.2 Radio			
3.3 Others			

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<b>Other solutions, adopted to meet the essential requirements</b>			
<b>Article</b>	<b>Standard</b>	<b>Test Report No.</b>	<b>Issued by</b>
3.2 Radio			

**Rationale for applied non-harmonised standards or other solutions:**

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**Remarks:**

- This Type Examination Certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.
- This Type Examination Certificate only relates to the assessment of technical documentation to verify that the technical design of radio equipment meets the essential requirements of the RED 2014/53/EU and will not show compliance with essential requirements of other possible applicable EU Directives.
- The manufacturer has declared in compliance with art. 10.2 that the Radio Equipment can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.
- Validity of this Type Examination Certificate is limited to the versions of the applied standard. If versions of standards change or modifications are made to the product, this Certificate will be invalidated.