

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 60120319 0001

Evaluation Report Nr.: 17042213 005

Manufacturer: ETEK TECHNOLOGY (SHENZHEN) CO., LTD  
5/F, Section A,  
Academy of Aerospace Technology  
Keji Nan 10th Rd., Hi-tech Industrial Park  
Shenzhen  
China

Product: Radio Equipment  
(Wireless Adapter)

Type Identification: TD-2021N-USB TD-2021N-USB/S  
(ETEK)

Essential requirements: 2014/53/EU (RED)  
Article 3.1a Health  
Article 3.1a Electrical Safety  
Article 3.1b EMC  
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 22.06.2017



Notified Body

  
S. Peng

## Annex 1 to the Notified Body Type Examination Certificate

Registration No.: RT 60120319 0001

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### Equipment

Product : Wireless Adapter

Trademark : ETEK

Identification : TD-2021N-USB, TD-2021N-USB/S

Product description: The EUT is wireless dongle which is designed to provide a high-speed and unrivaled wireless performance for your computer. It implements 802.11 b/g/n protocols.

### System description

Frequency band(s) of operation : 2400-2483 5MHz  
Operating frequency : 2412-2472MHz (20MHz bandwidth)  
2422-2462MHz (40MHz bandwidth)  
Channel spacing / bandwidth : 20MHz; 40MHz  
RF output power : 18.9dBm (Max. e.i.r.p in 2412-2472MHz)  
13.9dBm (Max. e.i.r.p in 2422-2462MHz)  
Type of modulation : DSSS - (DBPSK, DQPSK, CCK)  
OFDM - (BPSK, QPSK, 16QAM, 64QAM)  
Type of antenna : Internal antenna  
Mode of operation (simplex / duplex) : Duplex  
Duty cycle (access protocol, if applicable) : Up to 100%  
Firmware/Driver version : n/a

### Documentation

User Manual   
Block diagram   
Circuit diagram   
Part list   
PCB layout   
Photo documentation

### 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 1.1	17040304 005	TÜV Rheinland (Shenzhen) Co., Ltd.
3.3 Others	--	--	--

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Applied non-harmonised standards [ see foot-note (*) ]			
Article	Standard	Test Report No.	issued by
3.1a Health	EN 62311:2008	17040304 005	TÜV Rheinland (Shenzhen) Co., Ltd
3.1a Safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	17040027 002	TÜV Rheinland (Shenzhen) Co., Ltd
3.1b EMC	EN 301 489-1 V2.2.0 (Draft) EN 301 489-17 V3.2.0 (Draft)	17040304 005	TÜV Rheinland (Shenzhen) Co., Ltd
3.2 Radio	--	--	--
3.3 Others	--	--	--

Other solutions, adopted to meet the essential requirements [ see foot-note (*) ]			
Article	Standard	Test Report No.	issued by
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**\*Rationale for applied non-harmonised standards or other solutions**

- EN 62311 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)
- EN 301 489-1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; EN 301 489-17 EMC standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems
- EN 60950-1 Information technology equipment - Safety - Part 1: General requirements

**Remarks:**

- The manufacturer or his authorised representative established within the European Community must keep the technical documentation for a period ending at least 10 years after the last product has been manufactured at the disposal of the relevant national authority of any Member State for inspection purpose.
- CE marking may only be used, if all relevant and effective EC directives are complied with.
- The holder of this Type Examination Certificate is authorised to use this certificate in combination with the CE declaration of conformity.
- The holder of this Type Examination Certificate is obliged to inform TRLP of all modifications to the product that may affect conformity with the essential requirements of the RED Directive 2014/53/EU or the conditions of validity of this certificate issued by TRLP
- 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.

Date: 22.06.2017



Signature