

**Business Stream Products
Certification Department**

TÜV Rheinland LGA Products GmbH · 90431 Nürnberg

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Co., Ltd.
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Date February 05, 2018

Application for : EU-Type Examination Certificate
Certificate No. : RT 60126751 Sheet 0001
Device : Radio Equipment
(Handheld Data Terminal)
Type : HT510
Test requirement : see Certificate

Dear Madame or Sir,

Enclosed please find your certificate No. RT 60126751 0001.

Kind regards

Certification body



S. Peng

Test sample: no, documentation available

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Board of Management

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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 60126751 0001
Evaluation Report Nr.: 50124106 001

Manufacturer: Unitech Electronics
Co., Ltd.
5F, No. 136, Lane 235,
Pao-Chiao Rd, Hsin-Tien Dist
New Taipei City 235
Taiwan

Product: Radio Equipment
(Handheld Data Terminal)

Type Identification: HT510
(unitech)

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 05.02.2018



Notified Body


S. Peng

Equipment

Product : Handheld Data Terminal
Trademark : unitech
Identification : HT510
Product description HT510 is a handheld data terminal with Bluetooth and 2.4GHz Wi-Fi.

System description

Frequency band(s) of operation : 2400-2483.5MHz
 Operating frequency : Bluetooth: 2402-2480MHz
 2.4GHz Wi-Fi: 2412-2472MHz
 Channel spacing / bandwidth : 1MHz, 20MHz, 40MHz
 RF output power : Bluetooth: 7.09dBm (Max. e.i.r.p.)
 2.4GHz Wi-Fi: 17.82dBm (Max. e.i.r.p.)
 Type of modulation : DSSS (DBPSK, DQPSK, CCK), OFDM (BPSK, QPSK,
 16QAM, 64QAM), 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%

Documentation

User information and installation instructions
 Block diagram
 Circuit diagram
 Part list
 PCB layout
 Photo documentation
 Versions of firmware/software used
 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	EN 50566:2017	WT178006035	Shenzhen Academy of Metrology and Quality Inspection
3.1a Safety			
3.1b EMC			
3.2 Radio	EN 300 328 V2.1.1	WT178006036	Shenzhen Academy of Metrology and Quality Inspection
3.3 Others			

Applied non-harmonised standards			
Article	Standard	Test Report No.	Issued by
3.1a Health	EN 62479:2010	WT178006035	Shenzhen Academy of Metrology and Quality Inspection
3.1a Safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	WT173006742	Shenzhen Academy of Metrology and Quality Inspection
3.1b EMC	Draft EN 301 489-1 V2.2.0 Draft EN 301 489-17 V3.2.0	WT178006034	Shenzhen Academy of Metrology and Quality Inspection
3.2 Radio			
3.3 Others			

Other solutions, adopted to meet the essential requirements			
Article	Standard	Test Report No.	Issued by
3.1a	Health		
3.1a	Safety		
3.1b	EMC		
3.2	Radio		
3.3	Others		

Rationale for applied non-harmonised standards or other solutions:

- EN 62479 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
- EN 60950-1 Information technology equipment - Safety - Part 1: General requirements
- EN 301 489-1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; EN 301 489-17 Part 17: Specific conditions for Broadband Data Transmission Systems

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.

TÜVRheinland