

(1) TYPE-EXAMINATION CERTIFICATE



(2) Equipment and Protective Systems intended for use in
Potentially Explosive Atmosphere - **Directive 94/9/EC**

(3) Type-Examination Certificate Number

TÜV 12 ATEX 7285 X

(4) Equipment: **IP54 ATEX Handset; RTX8050 Ex**

(5) Manufacturer: **RTX Hong Kong Limited,**

(6) Address: **11/F.CAC Tower, 165 Hoi Bun Road, Kwun Tong, Hong Kong
China**

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Rheinland Zertifizierungsstelle for ex-protected products of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex285.00/12

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0: 2009

EN 60079-11: 2007

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type-Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:



II 3 G

Ex ic IIC T4 Gc

TÜV Rheinland ExNB für explosion protected equipment

Cologne, 2012-12-06

Dipl.-Ing. Klauspeter Graffi

This Type-Examination Certificate without signature and stamp shall not be valid.
This Type-examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the
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Precisely Right.

(13) Annex

(14) **Type Examination Certificate**
TÜV 12 ATEX 7285 X

(15) Description of equipment

15.1 Equipment and type:

IP54 ATEX Handset; RTX8050 Ex

15.2 Description

General product information

The enclosure of RTX8050 Ex IP54 ATEX Handset is made of plastic. The product is a wireless DECT Handset with a 430mAh Li-ion polymer rechargeable battery, LCD, keys, Bluetooth and so on. The assessment is based on the IECEx test report CN/CQM/ExTR12.0045/01.

Technical Data

The device is supplied by a 3,7V/430 mAh li-ion polymer battery.

Rated voltage: 3,7 V

Rated current: 280 mA

Intrinsic safe input parameters:

Ui = 4,2 V

Ii = 750 mA

Pi = 3,15 W

Ci = 196 µF

Li = 22 µH

Ambient temperature:

0°C ≤ Ta ≤ +45°C

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(16) Test-Report No. 557/Ex285.00/12

(17) Special Conditions for safe use

1. Ambient temperature $0^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$
2. Only use in the environment with pollution degree 2 or better.
3. Warning – use only batteries mark with "battery pack for RTX8050 ex" made by in-tech electronics ltd.
4. Warning – do not replace battery when an explosive gas atmosphere may be present.
5. Warning – do not charge the battery in hazardous location.
6. Warning – charge only with provided desktop charger.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland ExNB für explosion protected equipment

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