

Explosion Proof Keyboard

Armadex Ex BT-Key-02

ATEX Zone 2&22 Certified ATEX



Key Benefits

- Suitable for ATEX Zone 2&22
- Connect with Bluetooth
- Includes Touchpad
- Ingress Protection: IP67
- Extremely Rugged and Lightweight
- For use with Windows and Android

 **GAS** II 3G Ex ic IIC T6 Gc
 **DUST** II 3D Ex ic IIIB T135°C Gd



Rechargeable Bluetooth & USB Type A keyboard

The Armadex BT-Key-02 is a rechargeable Bluetooth Type A keyboard based on the iKey BT-870-TP. The ATEX keyboard is compatible with Windows 7, 8 and 10 and Android. This means the Ex Keyboard may be paired to Desktop PC's, laptops, Android Tablets and Android Phones. Ease of use is one of the key elements of our keyboard. Pair the keyboard with one press of a button and for any of the aforementioned devices should be completed within less than 30 seconds.

Explosion Safety Specifications (ATEX)

EU Directive	2014/34/EU (ATEX114)
ATEX marking gas	II 3G Ex ic IIC T6 Gc
ATEX marking dust	II 3D Ex ic IIIB T135°C Gd
ATEX zone	2 (3G) & 22 (3D)
Applied standards	EN IEC 60079-0:2018 EN 60079-11:2011 IEC 60079-11:2023

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Full ATEX Keyboard Specifications

The BT-Key-02 Keyboard is a truly compact model, measuring only 30.5 centimeters in width and 19.5 centimeters in length. The feet of the device are made from rubber, therefore the keyboard won't slip when placed on most surfaces. The keyboard does not collect dust or moistures between or under the keys during normal use. This makes that the keyboard is very easy to clean. It may be wiped off with a damp (not wet) cloth. Cleaning, charging and other maintenance must be done outside of the hazardous area / ATEX Zone.

Battery Life

The Rechargeable Lithium Ion Battery is combined with several power saving features in order to get the longest battery life. Sleep mode turns on after approximately 10 seconds, ensuring the battery does not drain when the device is not being used. In sleep mode, the ATEX Keyboard is put into a low power state, ensuring that the device can be quickly used again. The expected battery life during average use is 8 weeks.

Wireless functionality

Wireless Bluetooth connection may be established and utilized over a maximum distance of 10 (30 ft.) meters between the Ex Keyboard and the paired device. The signal will pick up automatically after moving out of range, once you are close enough to the host device. When this fails, it is advised to pair the devices once more.

Signal LEDs

The explosion proof keyboard is equipped with several Signal Leds. These LEDs indicate: low battery, charging modus (you may never charge the device in an ATEX Zone), Scroll Lock (enables to scroll without a mouse, using the up, down, left and right arrow keys), Num Lock, Bluetooth, Power (on/off) and finally, caps lock.

International Protection Rating	IP67	
Shock	3x11 ms pulses of 50g on each of 3 axis	
Key Switch	Material	Industrial Silicone Rubber LIFE: Greater than 10 million cycles
	Travel	0.055"
	Actuation Force	7.05 oz +/- 1.06 oz (200g +/- 30g)
	Feedback	Tactile with Mechanical Snap
Power	Rechargeable Lithium Ion Battery	

Compatibility	All Windows Operating Systems and Android	
Temperature Range	Storage	-40F to +158F (-40C to +70C)
	Operating	32F to +140F (0C to +60C)
Weight	1.2 +/- 0.10 lbs (0.54 +/- 0.05kg)	
Warranty	1 Year	
Humidity	100% Humidity Resistant	
Dimensions	30.5 x 19.5 x 5 cm	
Model Number	BT-Key-02	

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EU Declaration of Conformity

No. AM-X23ATEX2500X
In accordance with EN ISO/IEC 17050-1:2010

- Product model / product:**
Product: Explosion Proof Bluetooth Keyboard
Model/type: Armadex Ex BT-Key-02
- Manufacturer:**
Name: Armadex Explosion Protection B.V.
Address: Tinstraat 33, 2984 AN, Ridderkerk, The Netherlands
Telephone / Web: +31 180 472880 / www.ex-machinery.com
- This declaration of conformity is issued under the sole responsibility of the manufacturer.*
- Object of the declaration:**
Product: Explosion Explosion Proof Bluetooth Keyboard for zone 2 / 22
Specification: Battery Supply: Rechargeable battery 3.7 VDC, capacity 3,000 mAh
Rated discharge current 30 mA
ATEX Marking:  II 3G Ex ic IIC T6 Gc / II 3D Ex ic IIIB T135°C Dc
- The object of the declaration described above is in conformity with the relevant EU harmonization legislation:**
ATEX DIRECTIVE 2014/34/EU **"Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres"**
- References to the relevant harmonized standards used or references to the other technical specifications in relation to which conformity is declared:**

Reference & Date	Title
EN IEC 60079-0: 2018	Explosive atmospheres – Part 0: Equipment – General requirements
EN 60079-11: 2012	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "T"
IEC 60079-11: 2023	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "T"
- Additional information:**
 Specific conditions of use are specified in the accompanying user manual of the equipment
THIS DECLARATION IS NOT A WARRANTY OF ATTRIBUTES WITHIN THE MEANING OF THE LAW CONCERNING PRODUCT LIABILITY. THE SAFETY INSTRUCTIONS GIVEN IN THE INSTALLATION MANUAL MUST BE OBSERVED. THE APPARATUS SHALL ONLY BE OPERATED UNDER THE CONDITIONS AS DESCRIBED IN THE USER MANUAL.
Signed for and on behalf of: Armadex Explosion Protection B.V.
Place of issue: Ridderkerk, The Netherlands
Date of issue: 16-11-2023
Name: G. A. van Tienhoven, MSc. of Engineering
Function: Managing Director, IECEx Certified Person
Signature: 

Explosion Proof Keyboard

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Declaration of Conformity

No. AM-X23UKEX2500X

In accordance with EN ISO/IEC 17050-1:2010

- Product model / product:**
Product: Explosion Proof Bluetooth Keyboard
Model/type: Armadex Ex BT-Key-02
- Manufacturer:**
Name: Armadex Explosion Protection Ltd.
Address: 7 Albert Street, Aberdeen AB25 1XX, Scotland, UK
Telephone / Web: +44 1224 679258 / www.armadex.com
- This declaration is issued under the sole responsibility of the manufacturer.**
- Object of the declaration:**
Product: Explosion Explosion Proof Bluetooth Keyboard for zone 2 / 22
Specification: Battery Supply: Rechargeable battery 3.7 VDC, capacity 3,000 mAh
Rated discharge current 30 mA
ATEX Marking:  II 3G Ex ic IIC T6 Gc / II 3D Ex ic IIIB T135°C Dc
- The object of the declaration described above is in conformity with the relevant UK Statutory Instruments:**
2016 No. 1107: Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations
- References to the relevant designated standards used or references to the other technical specifications in relation to which conformity is declared:**

Reference & Date	Title
EN IEC 60079-0: 2018	Explosive atmospheres – Part 0: Equipment – General requirements
EN 60079-11: 2012	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
IEC 60079-11: 2023	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
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Signed for and on behalf of: Armadex Explosion Protection Ltd.
Place of issue: Aberdeen, UK
Date of issue: 16-11-2023
Name: G. A. van Tienhoven, MSc. of Engineering
Function: Managing Director, IECEx Certified Person
Signature: 