

## (1) EU - Type Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU  
(3) EU - Type Examination Certificate Number

**EPS 19 ATEX 1 128 X**

**Revision 1**

- (4) Equipment: IS930.M1 Intrinsically safe industrial tablet  
(5) Manufacturer: i.safe MOBILE GmbH  
(6) Address: i\_Park Tauberfranken 10  
97922 Lauda-Koenigshofen  
Germany  
(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.  
(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that 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 atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 19TH0292.  
(9) Compliance with the essential health and safety requirements has been assured by compliance with:

**EN IEC 60079-0:2018**

**EN 60079-11:2012**

- (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 annex to this certificate.  
(11) This EU - Type Examination Certificate relates only to the design and examination of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.  
(12) The marking of the equipment shall include the following:

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Certification department of explosion protection

Hamburg, 2020-08-12

(13) **Annex**

(14) **EU - Type Examination Certificate EPS 19 ATEX 1 128 X**

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(15) Description of equipment:

The intrinsically safe and rugged industrial tablet IS930.M1 has been designed for use in mines susceptible to firedamp. The IS930.M1 provides numerous technologies like 4G (LTE), NFC, GPS, Wi-Fi and Bluetooth LE. Equipped with an Android operating system, amplified loudspeaker and option keys, which allows the allocation of user specific functions or applications.

Electrical data:

Supply: The tablet IS930.M1 has a fixed installed rechargeable Li-Ion battery  $U_o = 3.8 \text{ V}$  ( $U_o_{\text{max}} = 4.2 \text{ V}$ ).

Interfaces: The opening of the interface covers in explosive atmospheres is not permitted.

Wired data connection and charging is only allowed outside ex-hazardous areas.

$U_m = 5.88 \text{ V}$ , this is ensured by using the Docking Station DS930.1, the i.safe PROTECTOR cables or other accessories specified by i.safe MOBILE GmbH. A list of approved accessories can be found at [www.isafe-mobile.com](http://www.isafe-mobile.com).

The SD cards IS-SD164.1 and IS-SD1128.1 may be used in the corresponding slot in the hazardous area. Alternatively, the SD card port has the following intrinsic safety entity parameters:

$U_o = 4.2 \text{ V}$   
 $P_o = 1.101 \text{ W}$   
 $C_o = 117 \mu\text{F}$   
 $L_o = 2 \mu\text{H}$

(16) Reference number: 19TH0292

(17) Special conditions for safe use:

The battery may be charged outside explosion hazardous areas only.

The device must be protected from impacts with high impact energy, against permanent UV light emission and high electrostatic charge processes.

The device shall be protected from the exposure of oil, greases and hydraulic fluids.

The permitted ambient temperature range is  $-20 \text{ }^\circ\text{C}$  to  $+60 \text{ }^\circ\text{C}$ .

(18) Essential health and safety requirements:

Met by compliance with standards.

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Hamburg, 2020-08-12



H. Schaffer