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**LR3081**

## CERTIFICATE OF COMPLIANCE

### (ISO TYPE 3 CERTIFICATION SYSTEM)

Issued to	i.safe MOBILE GmbH	
Address	i_Park Tauberfranken 10 97922 Lauda-Koenigshofen Germany	
Project Number	LR3081-7	
Product	Intrinsically Safe Tablet, Docking Station	
Model Number	IS940.1 / IS945.1, IS-DS940.1	
Electrical Ratings	See annex below	
Markings	Intrinsically Safe Class I, Division 1, Groups ABCD, T4 Class II, Division 1, Groups EFG, 155°C Class III IP64 -20°C ≤ Tamb ≤ +55°C, 0 °C ≤ Tcharge ≤ +45 °C	
Applicable Standards	CSA C22.2 No. 60079-0:15 CSA C22.2 No. 60079-11:14	UL 60079-0 7th ed. UL 60079-11 6th ed.
Factory/Manufacturing Location	i.safe MOBILE GmbH i_Park Tauberfranken 10 97922 Lauda-Koenigshofen, Germany	
Conditions of Certification	See Annex A	

**Statement of Compliance:** The product(s)/equipment identified in this Certificate and described in the Certification Report covered under the above referenced project number have been investigated and found to be in compliance with the relevant requirements of the above referenced standard(s). As such, they are eligible to bear the QPS Certification Mark shown below, in accordance with the provisions of QPS's Service Agreement.

**IMPORTANT NOTE:** In order to maintain the integrity of the QPS Mark(s), certification will be revoked if:

- (1) Compliance to the above-mentioned Standard(s), or those identified in future QPS Standard Update Notice – SUN (QSD 55) is not maintained, or,
- (2) If the product/equipment is modified after certification is granted without prior written consent by QPS



Issued By: Dave Adams, P.Eng. - Hazardous Locations [Ex Products]

Signature:

Date: August 13, 2025

**Annex A:**

**Electrical Ratings:**

Intrinsically Safe Tablet,  
 Battery operated device including power and energy limitation  
 4 Li-Ion-Battery cells,  $V_{co} = 3.8\text{ V}$ ,  $V_{max} = 4.2\text{ V}$   
 Docking Station  $V_{max} = 8.61\text{ V}$ ,  $I_{max} = 3.4\text{ A}$

**Interfaces:**

The device has a 12-pin docking interface for the IS-DS940.1 Docking Station for charging and data transfer also within hazardous areas. The entity parameters are defined in document 1065AD05.  
 The 12-pin docking interface can remain open inside hazardous areas. The optional cover for this serves as protection against pollution.

The device also has a USB-C interface, which is also used for charging and data transfer outside hazardous areas.  
 Only the i.safe PROTECTOR 2.0, other accessories approved by i.safe MOBILE or other accessories that ensure  $U_m = 5.88\text{ V}$  may be connected to the USB-C interface.

The device's 16-pin ISM interface can be used within hazardous areas with approved audio accessories and add-ons.

The following accessories may be connected to the 16-pin ISM interface:

- IS-HS2A.1 in-ear headset
- IS-PTTB1A.1 PTT button with the IS-HDHS1x.1 headset
- Approved, intrinsically safe accessories that comply with the entity parameters of the 16-pin ISM interface in accordance with document 1065AD04

**Headset variants IS-HDHS1x.1:**

- IS-HDHS1A.1 Headband (Stereo)
- IS-HDHS1B.1 Neckband (Stereo)
- IS-HDHS1C.1 Helmet mount (Stereo)

The microSD cards IS-SD164.1 and IS-SD1128.1 may be used in the corresponding slot in potentially explosive atmospheres.  
 Alternatively, the SD card connection has the following intrinsically safe connection parameters:

$V_{oc} = 5.88\text{ V}$   
 $C_a = 25\text{ }\mu\text{F}$   
 $L_a = 1\text{ }\mu\text{H}$

A commercially available microSD card can be used in hazardous areas in the corresponding slot. The internal electrical capacitance and inductance are negligible and match the intrinsically safe connection parameters.

A nano SIM card that complies with the following intrinsically safe entity parameters may be used in the corresponding slot in the hazardous areas:

$V_{oc} = 5.88\text{ V}$   
 $C_a = 41\text{ }\mu\text{F}$   
 $L_a = 1\text{ }\mu\text{H}$

A commercially available nano SIM card can be used in hazardous areas in the corresponding slot. The internal electrical capacitance and inductance are negligible and match the intrinsically safe entity parameters.

**"Specific Conditions of Use" / "Schedule of Limitations":**

1. The batteries shall only be replaced outside of potentially explosive areas.
2. The batteries shall only be recharged outside of potentially explosive areas when using e i.safe PROTECTOR 2.0 USB-C Cable supplied i.safe MOBILE GmbH at  $0\text{ }^{\circ}\text{C} \leq T_{charge} \leq +45\text{ }^{\circ}\text{C}$
3. The batteries can be recharged inside or outside of potentially explosive areas using docking station IS-DS940.1 connected as per control drawing 1065AD07 at  $0\text{ }^{\circ}\text{C} \leq T_{charge} \leq +45\text{ }^{\circ}\text{C}$

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4. The devices shall be protected from excessive exposure to UV light emissions.
5. The devices shall be protected from high electrostatic charge environments and processes.
6. The Intrinsically Safe Tablet is intended to be carried over during use in the hazardous area. Except when is charging using docking station IS-DS940.1
7. The USB-C interface shall be securely closed with cover when inside the hazardous area.
8. The 16-pin ISM interface shall be securely closed with cover when inside the hazardous area.
9. Only Nano-SIM cards which comply with the following intrinsic safety entity parameters, may be used in the corresponding slots in the hazardous area:  
Voc = 5.88 V  
Ca = 41  $\mu$ F  
La = 1  $\mu$ H.
10. The microSD cards IS-SD164.1 and IS-SD1128.1 may be used in the corresponding slot in potentially explosive atmospheres. Alternatively, the SD card connection has the following intrinsically safe connection parameters:  
Voc = 5.88 V  
Ca = 25  $\mu$ F  
La = 1  $\mu$ H