

Certificate of Conformity

Ex EQUIPMENT

Certificate No.:	ANZEx 25.2005X	Current Issue:	0	Date of Issue:	2025-06-27
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Applicant: **i.safe MOBILE GmbH**
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
GERMANY

Equipment: IS940.M1 / IS945.M1 Intrinsically Safe Tablet, IS-DS940.M1 Docking Station

Type of Explosion Protection: Intrinsic Safety "i"

Explosion Protection Marking: Ex ia I Ma
Ex ib IIC T4 Gb
Ex ib IIIC T135 °C Db
-20 °C ≤ Ta ≤ 55 °C

*This certificate is granted subject to the requirements as set out in
Joint Accreditation System of Australia and New Zealand Publications
ANZEx System Rules 2020 & ANZEx Certified Equipment Scheme Rules 2021*

Signed for and on behalf of issuing body

Name & Position

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 Geoff Barnier
 Principal Engineer - Certification

This certificate is not transferable and remains the property of the issuing body.

The status of this certificate can be confirmed through the database located at www.anzex.com.au

Certificate issued by:

Safety in Mines, Testing and Research Station
2 Robert Smith Street, REDBANK QLD 4301

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Manufacturer : i.safe MOBILE GmbH
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
GERMANY

Manufacturing Location(s): i.safe MOBILE GmbH
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
GERMANY

STANDARDS:

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0: 2017 Ed 7.0 Explosive atmospheres Part 0: Equipment – General requirements
IEC 60079-11: 2023 Ed 7.0 Explosive atmospheres Part 11: Equipment protection by intrinsic safety “i”

This Certificate does not indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

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Schedule

Equipment Description:

The intrinsically safe tablet IS940.M1 (Android operating system) / IS945.M1 (Windows operating system) for Zone 1/21 and for the use in mines susceptible to firedamp is equipped with a 10.1-inch display, supports NFC, Bluetooth 5.2 and Wi-Fi 6. The high-quality Qualcomm chipset ensures fast data processing for the most demanding industrial applications such as predictive maintenance. The 12-pin docking interface offers a convenient charging and data connection. The 16-pin ISM interface ensures a secure connection of audio accessories or other add-ons.

Further advantages are the high-resolution main camera, the powerful speakers, a replaceable battery and programmable buttons (e.g. for quick access or lone worker protection applications (SOS)).

Power supply:

Changeable Li-Ion battery (4.2 V)

Interfaces:

The device has a 12-pin docking interface for the IS-DS940.M1 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.

Electrical Ratings/Parameters

$U_m = 5.88 \text{ V}$

The microSD cards IS-SD164.1 and IS-SD1128.1 may be used in the corresponding slot in potentially explosive atmospheres.

Intrinsically safe accessories may be used that comply with the entity parameters of the 16-pin ISM interface in accordance with document 1065AD04.

Specific Conditions of Use:

1. The battery may be replaced outside explosive hazardous areas only.
2. The device must be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic charge processes.

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3. The USB-C interface is protected by an IP interface cover and may only be opened outside the hazardous areas.
4. The 16-pin ISM interface must be closed with the corresponding cover when not in use in hazardous areas.
5. The device shall be protected from the exposure of oils, greases and hydraulic fluids.
6. The permitted ambient temperature range is -20 °C to +55 °C.
7. The permitted charging temperature range is limited to 0 °C to +45 °C.

Conditions of Certification:

None

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Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Title	Document/Drawing Number	Pages / Sheets	Revision	Date
IS940.M1 / IS945.M1 List of Documents	1081AD01REV03	5	03	2025-06-26
IS940.M1 / IS945.M1 ATEX + IECEx Description	1081AD02REV01	9	01	2025-06-26
IS940.M1 / IS945.M1 (Ex only) Safety Instructions	1081AD03REV02	4	02	2025-06-24
IS-DS940.M1 (Ex only) Safety Instructions	1081AD06REV01	5	01	2025-06-24
IS940.1 ATEX, IECEx Description	1065AD02REV04	87	04	2024-12-12
Entity parameters 16pin ISM interface	1065AD04REV01	5	01	2024-06-06
Entity parameter docking station	1065AD05REV00	3	00	2024-03-12
BOM Mainboard, Subboard, LCD and Battery Board	1065BP07REV04	32	-	2024-12-12
Functional description of the Battery Board	1065AG01REV01	5	01	2024-04-29
Battery Board Schematic	1065BS01REV10	2	10	2024-11-28
Battery Board	1065BN01REV09	4	9	2024-08-05
Battery Board Assembly Top	1065BQ01REV09	1	9	2024-08-05
Battery Board Assembly Bottom	1065BR01REV09	1	9	2024-08-05
IS940.1 SUB_BAT	1065BS02REV00	1	00	2024-01-20
IS940.1 SUB_BAT	1065BN02REV00	4	00	2024-02-29
IS940.1 SUB_BAT	1065BR02REV00	1	00	2024-02-29
IS940.1 5G_ANT	1065BS03REV00	1	00	2024-01-20
IS940.1 5G_ANT	1065BN03REV00	2	00	2024-02-29
IS940.1 5G_ANT	1065BR03REV00	2	00	2024-02-29
IS940.1 MAIN_ANT	1065BS04REV00	1	00	2024-01-20
IS940.1 MAIN_ANT	1065BN04REV00	2	00	2024-02-29
IS940.1 MAIN_ANT	1065BR04REV00	2	00	2024-02-29
IS940.1 LCD_VAR1	1065BS05REV00	1	00	2024-01-20
IS940.1 LCD_VAR1	1065BN05REV00	2	00	2024-02-29
IS940.1 LCD_VAR1	1065BR05REV00	1	00	2024-02-29
IS940.1 LCD_VAR2	1065BS06REV00	1	00	2024-01-20
IS940.1 LCD_VAR2	1065BN06REV00	2	00	2024-02-29
IS940.1 LCD_VAR2	1065BR06REV00	1	00	2024-02-29
IS940.1 Mainboard	1065BS07REV02	63	02	2024-07-11
IS940.1 Mainboard	1065BN07REV00	12	00	2024-02-21
IS940.1 Mainboard	1065BR07REV00	2	00	2024-02-21
IS940.1 Mainboard	1065BT07REV00	1	00	2024-03-21

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Document/Drawing Title	Document/Drawing Number	Pages / Sheets	Revision	Date
IS940.1 Subboard	1065BS08REV00	1	00	2024-01-20
IS940.1 Subboard	1065BN08REV00	6	00	2024-02-29
IS940.1 Subboard	1065BR08REV00	2	00	2024-02-29
IS940.1 Subboard	1065BT08REV00	1	00	2024-03-21
IS940.1 LCD_VAR1_Backlight_Layout_Assembly_Schematics	1065BN09REV00	1	00	2024-03-15
IS940.1 LCD_VAR2_Backlight_Layout_Assembly_Schematics	1065BN10REV00	1	00	2024-03-15
IS940.1 Camera_VAR1	1065BS11REV00	1	00	2024-01-20
IS940.1 Camera_VAR1	1065BN11REV00	4	00	2024-02-29
IS940.1 Camera_VAR1	1065BR11REV00	1	00	2024-02-29
IS940.1 Camera_VAR2	1065BS12REV00	1	00	2024-01-20
IS940.1 Camera_VAR2	1065BN12REV00	4	00	2024-02-29
IS940.1 Camera_VAR2	1065BR12REV00	1	00	2024-03-15
IS940.1 MIC1	1065BS14REV00	1	00	2024-06-18
IS940.1 MIC1	1065BN14REV00	2	00	2024-06-26
IS940.1 MIC1	1065BR14REV00	2	00	2024-06-26
IS940.1 MIC2+FLASH	1065BS15REV00	1	00	2024-06-18
IS940.1 MIC2+FLASH	1065BN15REV00	3	00	2024-06-27
IS940.1 MIC2+FLASH	1065BR15REV00	2	00	2024-06-26
IS940.1 Overview	1065BU21REV00	1	00	2024-01-25
IS940.1 Docking_Junction_Board	1065BS31REV00	1	00	2024-01-20
IS940.1 Docking_Junction_Board	1065BN31REV00	2	00	2024-02-29
IS940.1 Docking_Junction_Board	1065BR31REV00	2	00	2024-02-29
IS940.1 Docking_Junction_Board	1065BT31REV00	1	00	2024-03-21
IS940.1 Docking_12PIN_Board	1065BS32REV00	1	00	2024-03-15
IS940.1 Docking_12PIN_Board	1065BN32REV00	2	00	2024-03-15
IS940.1 Docking_12PIN_Board	1065BR32REV00	1	00	2024-03-15
IS940.1 Parts and Materials	1065DG01REV01	20	01	2024-11-12
IS-DS940.1 Parts and Materials	1065DG02REV01	13	01	2024-11-15
IS940.M1 Main Label	1081DM01REV01	1	01	2025-06-24
IS-DS940.M1 Main Label	1081DM04REV01	1	01	2025-06-24
IS945.M1 Main Label	1088DM01REV00	1	00	2025-06-24

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Additional Information:

The following accessories covered by this certification may be used:

- SD cards type IS-SD164.1 and IS-SD1128.1
- IS-HS2A.1 in-ear headset
- IS-PTTB1A.1 PTT button with the IS-HDHS1x.1 headset, variants:
 - IS-HDHS1A.1 Headband (Stereo)
 - IS-HDHS1B.1 Neckband (Stereo)
 - IS-HDHS1C.1 Helmet mount (Stereo)

No other accessories are included in this certification.

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Register of Issues and Variations

includes the current issue

Issue 0 dated 2025-06-27

Standards relevant for this issue:

IEC 60079-0: 2017 Ed 7.0 Explosive atmospheres Part 0: Equipment – General requirements

IEC 60079-11: 2023 Ed 7.0 Explosive atmospheres Part 11: Equipment protection by intrinsic safety “i”

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: DE/EPS/ExTR25.0003/00; Bureau Veritas

QAR No. & Issuing CB: DE/EPS/QAR12.0003/17; Bureau Veritas

File Reference: 250005Cert