



IS-RSM2.1



IS-TH1



IS-MP.1

The lightweight IS-RSM2.1 remote speaker microphone is **specially designed for PTT** applications. With its **robust housing and safe ISM interface**, it is an ideal addition to our mobile devices IS330.1 and IS530.1.

- › **Approval**  
ATEX zone 1/21  
Ⓢ II 2G Ex ib IIC T4 Gb  
Ⓢ II 2D Ex ib IIIC T135°C Db  
IECEX zone 1/21  
Ex ib IIC T4 Gb  
Ex ib IIIC T135°C Db  
NEC500 applied for  
Class I, II, III Div. 1  
Groups A B C D E F G T4
- › **Measurements**  
weight: 215 g,  
size: 115 x 70 x 25 mm
- › **Connection**  
ISM interface,  
over the spiral cable
- › **Power supply**  
Over the connected device
- › **Loudspeaker**  
Dynamic, 3-stage volume control  
Sensitivity: 85dB (1mW)  
Bandwith: 50Hz ... 8kHz
- › **Microphone**  
Electret, Omni-Directional  
Sensitivity: -38dB + 3dB (1kHz)  
Bandwith: 50Hz ... 16kHz
- › **Degree of protection**  
IP54  
Operation range -20 bis 60 °C
- › **Others**  
PTT button

Flexible combination of scan trigger handle and multifunctional smartphone (IS530.1) for reliable data recording. The IS-TH1 enables the **quick and easy scanning of any 1D or 2D barcodes at close range or at distances of more than 15 meters.**

- › **Approval**  
ATEX zone 1/21 applied for  
IECEX zone 1/21 applied for  
NEC500 applied for
- › **Measurements**  
weight: 500 g  
size: 200 x 125 x 82 mm
- › **Indication function**  
Loudspeaker  
Vibration  
LED-Display
- › **Communicatio**  
Over the multi functional  
ISM interface
- › **Powersupply**  
Over the connected device,  
this can be loaded in the handle
- › **Scan types**  
IS-TH1 MR (mid range)  
with Zebra SE4750 MR up to 6 m  
IS-TH1 ER (mid range)  
with Zebra SE4850 MR over 15 m

The IS-MP.1 is a handheld reader for easy and efficient **reading of RFID/NFC-TAGs**. The TAG information can be viewed directly on the OLED display, transferred via Bluetooth® or read from the storage via USB.

- › **Approval**  
Ⓢ II 2G Ex ib IIC T4 Gb  
Ⓢ II 2D Ex ib IIIC T135°C Db IP6X  
Ex ib IIC T4 Gb  
Ex ib IIIC T135°C Db IP6X
- › **Measurements**  
weight: 130 g,  
size: 190 x 30 x 35 mm
- › **Battery capacity**  
for 2000 Bluetooth readings
- › **Memory**  
for 1000 readings
- › **Wireless communication**  
Bluetooth
- › **Reading distance**  
1 ... 3 cm
- › **OLED-display**
- › **RFID/NFC tag-reader**  
LF 125 kHz, LF 134.2 kHz,  
FDX-B + HDX, HF and  
NFC 13.56 MHz, UHF 868 MHz,  
allows individual configuration
- › **APP for Remote Control**  
available
- › **Real-time clock**
- › **Vibration feedback**
- › **Degree of protection**  
IP64

## i.safe MOBILE

Mobile phones, smartphones and tablets  
for ATEX zone 1, 2 and industrial use

The i.safe MOBILE GmbH is your **partner** for the development, approval and marketing of **explosion-proof mobile communication devices**. With more than 15 years of experience, i.safe MOBILE GmbH belongs to the most innovative and well-established experts worldwide.

Our priority is development of practice-oriented products based on the legal requirements. We place **great emphasis on quality** not only in the development of our products, but also by offering customized service to your needs and detailed maintenance plan. To improve upon customer relationship we rely on our authorized **worldwide partner network**. In case you need an **optimal solution from a technical and economic point of view** – i.safe MOBILE GmbH is your expert.

We look forward to have a long-term and trusting relationship with you.

All i.safe MOBILE products are standard equipped with the following specifications:



IP6X dust and  
waterprotected



operation range  
from -20 °C to 60 °C



cleaning with  
germicide possible



impervious to dust  
and microparticles



RugDisplay-Glass



amplified loudspeaker

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# i.safe MOBILE

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ZONE 1/21  
CL I / DIV 1

YOUR EXPERT IN MOBILE COMMUNICATION  
DEVICES AND MOBILE SOLUTIONS.

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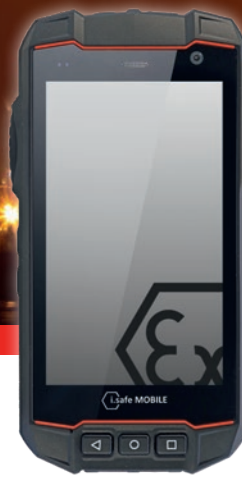




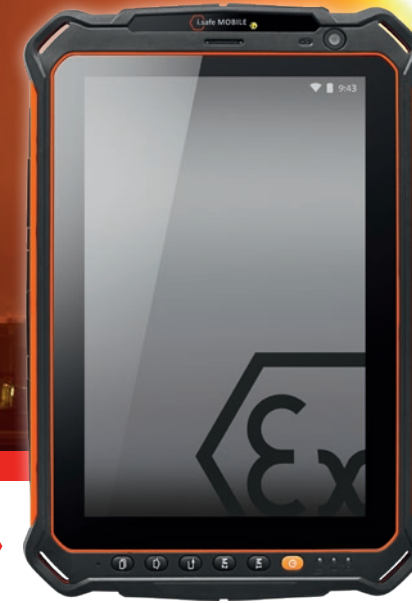
IS320.1



IS330.1



IS530.1



IS930.1



HMT-1Z1

The IS320.1 is the powerful mobile phone with **Android™ operating system**. The key-operated phone provides many technical advantages: **NFC, LED torch** and **SOS-key**.

- › **Approval**  
 ☉ II 2G Ex ib IIC T4 Gb  
 ☉ II 2D Ex ib IIIC T135°C Db IP6X  
 Ex ib IIC T4 Gb  
 Ex ib IIIC T135°C Db IP6X
- › **Operating system**  
 Android 4.4
- › **Measurements**  
 weight: 230 g,  
 size: 140 x 63 x 26 mm
- › **Display**  
 2.4" RugDisplay Glass with a resolution of 240 x 320 px
- › **Camera**  
 2 MP (rear)
- › **Wireless communication**  
 Bluetooth® 4, GPS, A-GPS, Wi-Fi®, NFC
- › **Processor**  
 MT6572M, 1.3 GHz
- › **Memory**  
 512 MB RAM, 4 GB internal memory, external memory microSD up to 32 GB
- › **Frequencies**  
 GSM: 850/900/1800/1900 MHz, WCDMA: 900/1800/2100 MHz
- › **Battery**  
 1900 mAh, replaceable
- › **Safety functions**  
 powerful LED torch, SOS-key, PTT-key LWP ready\*, PTT ready\*
- › **Degree of protection**  
 IP68

The zone 1/21 and Cl I Div1-featurephone with **Bluetooth® 5**, huge internal **64 GB memory**, **multifunctional ISM interface**, **SOS-key** and **amplified loudspeaker**.

- › **Approval**  
 ☉ II 2G Ex ib IIC T4 Gb  
 ☉ II 2D Ex ib IIIC T135°C Db IP6X  
 Ex ib IIC T4 Gb  
 Ex ib IIIC T135°C Db IP6X
- › **Operating system**  
 Android 9
- › **Measurements**  
 weight: 318 g,  
 Size: 152,8 x 62 x 26,7 mm
- › **Display**  
 2,6" Gorilla Glass, 3. generation
- › **Camera**  
 13 MP AF (rear), 5 MP FF (front)
- › **Wireless communication**  
 Bluetooth® 5, Wi-Fi®, GPS, A-GPS, GLONASS, Beidou, Galileo, NFC
- › **Processor**  
 Qualcomm Snapdragon SDM660 Octa-Core (2.2 GHz/1.8 Ghz)
- › **Memory**  
 4 GB RAM, 64 GB internal memory, external memory microSD up to 128 GB
- › **Frequencies**  
 GSM: 850/900/1800/1900 MHz  
 WCDMA: UMTS B1/2/4/5/8  
 LTE-FDD: B1/2/3/4/5/7/8/12 with MFBI B13/14/17/20/25/26/28A/28B/29/30/66  
 LTE-TDD: B38/B39/B40/B41 TD-SCDMA: B34/B39
- › **Battery**  
 4050 (typ. 4200) mAh, replaceable
- › **Safety functions**  
 SOS-key, PTT-key LWP ready\*, PTT ready\*
- › **Degree of protection**  
 IP68

The IS530.1 is the **first Bluetooth® 5** industrial smartphone with **multifunctional ISM interface**, a **huge internal memory 64 GB** and the **highest camera resolution** of its class.

- › **Approval**  
 ☉ II 2G Ex ib IIC T4 Gb  
 ☉ II 2D Ex ib IIIC T135°C Db IP6X  
 Ex ib IIC T4 Gb  
 Ex ib IIIC T135°C Db IP6X
- › **Operating system**  
 Android 9
- › **Measurements**  
 weight: 325 g,  
 size: 155 x 80 x 25 mm
- › **Display**  
 4.5" Gorilla Glass® with a resolution of 854 x 480 px
- › **Camera**  
 13 MP AF (rear), 5 MP FF (front)
- › **Wireless communication**  
 Bluetooth® 5, Wi-Fi®, GPS, A-GPS, GLONASS, Beidou, Galileo, NFC
- › **Processor**  
 Qualcomm Snapdragon SDM660 Octa-Core (2.2 GHz/1.8 Ghz)
- › **Memory**  
 4 GB RAM, 64 GB internal memory, external memory microSD up to 128 GB
- › **Frequencies**  
 GSM: 850/900/1800/1900MHz  
 WCDMA: B1/2/4/5/8  
 LTE-FDD: B1/2/3/4/5/7/8/12 with MFBI B13/14/17/20/25/26/28A/28B/29/30/66  
 LTE-TDD: B38/B39/B40/B41 TD-SCDMA: B34/B39
- › **Battery**  
 3600 mAh, replaceable
- › **Quick charge**
- › **Safety functions**  
 SOS-key, PTT-key LWP ready\*, PTT ready\*
- › **Degree of protection**  
 IP68

The powerful 8" tablet for use in zone 1/21 and Cl I Div1. It is highly robust, powerful and offers many technical advantages such as **Qualcomm Snapdragon SDM 660, NFC, Android™ 9**.

- › **Approval**  
 ☉ II 2G Ex ib IIC T4 Gb  
 ☉ II 2D Ex ib IIIC T135°C Db IP6X  
 Ex ib IIC T4 Gb  
 Ex ib IIIC T135°C Db IP6X
- › **Operating system**  
 Android 9
- › **Measurements**  
 weight: 890 g,  
 size: 237 x 156 x 22 mm
- › **Display**  
 8" RugDisplay Glass multi capacitive touchscreen with a resolution of 1200 x 1920 px
- › **Camera**  
 13 MP AF (rear), 5 MP FF (front)
- › **Wireless communication**  
 Bluetooth® 5, Wi-Fi®, GPS, A-GPS, GLONASS, Beidou, Galileo, NFC
- › **Processor**  
 Qualcomm Snapdragon SDM660 Octa-Core (2.2 GHz/1.8 Ghz)
- › **Memory**  
 4 GB RAM, 64 GB internal memory, external memory microSD up to 128 GB
- › **Frequencies**  
 GSM: 850/900/1800/1900 MHz  
 WCDMA: UMTS B1/2/4/5/8  
 LTE-FDD: B1/2/3/4/5/7/8/12 with MFBI B13/14/17/20/25/26/28A/28B/29/30/66  
 LTE-TDD: B38/B39/B40/B41 TD-SCDMA: B34/B39
- › **Battery**  
 8400 mAh
- › **Safety functions**  
 SOS-key PTT ready\*, LWP ready\*
- › **Degree of protection**  
 IP68

The HMT-1Z1 is the **world's first intrinsically safe hands-free Android tablet class wearable computer** for industrial workers. Designed for **Augmented Reality**.

- › **Approval**  
 ☉ II 2G Ex ib IIC T4 Gb  
 ☉ II 2D Ex ib IIIC T135°C Db IP6X  
 Ex ib IIC T4 Gb  
 Ex ib IIIC T135°C Db IP6X
- › **Operating system**  
 Android™ 8.1.0 + WearHF™ hands-free interface
- › **Measurements**  
 weight: 430 g
- › **Display**  
 20° field-of-view, 1 m fixed focus, 24-bit color LCD, 0.33" diagonal, out-door visible, resolution WVGA 854 x 480 px
- › **Camera**  
 16 MP 4-image stabilized, PDAF with LED flashlight
- › **Wireless communication**  
 Bluetooth® 4.1 LE, Wi-Fi®, GPS, GLONASS, Beidou
- › **Processor**  
 2.0 GHz Qualcomm Snapdragon 625 with Adreno 506 GPU - OpenGL ES3.1 & OpenCL 2.0
- › **Memory**  
 2 GB RAM, 16 GB internal memory, external memory microSD
- › **Includes applications**  
 document navigator, camera with barcode reader, video recorder, media player
- › **Battery**  
 3400 mAh
- › **Degree of protection**  
 IP66

\*Push-to-talk / LWP (third party application required)