



IS-TH2ER.2

HANDHELD BARCODE-SCANNER

APPROVAL

Ⓜ II 3G Ex ic op is IIC T4 Gc
Ⓜ II 3D Ex ic op is IIIC T135°C Dc
Ex ic op is IIC T4 Gc
Ex ic op is IIIC T135°C Dc

DIMENSIONS

weight: 370 g
size: 192,3 x 95,84 x 146 mm

INDICATION FUNCTION

loudspeaker
vibration
LED display

COMMUNICATION

over the multi functional
ISM interface

POWER SUPPLY

over the connected device,
this can be charged via the Trigger
Handle

SCAN TYPES

ER (extended range)
with Zebra SE55 up to 12 m



IS-RSMG2.2

REMOTE SPEAKER MICROPHONE

APPROVAL

Class I Div. 2 Groups A B C D T4

DIMENSIONS

weight: 214,3 g
size: 98,0 x 66,0 x 27,0 mm

CONNECTION

helical cable with 13-pin ISM
connector

POWER SUPPLY

over the connected device

LOUDSPEAKER

dynamic, 3-stage volume control
sensitivity: 93 dB (1 mW)
bandwidth: 50 Hz to 8 kHz

MICROPHONE

electret, omnidirectional
sensitivity: -38 dB ±3 dB (1 kHz)
bandwidth: 50 Hz to 16 kHz

DEGREE OF PROTECTION

IP54
operation range -20 to +60 °C

MORE FEATURES

PTT key

Mobile phones, smartphones and tablets for ATEX zone 1/21, 2/22, mining 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.

i.safe MOBILE product specifications



IP6X dust and
water protected



impervious to dust and
microparticles



operation range from
-20 °C to +55 °C



RugDisplay-Glass



cleaning with
germicide possible



amplified loudspeaker



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PIONEERING EXCELLENCE

i.safe MOBILE

EN

Zone 2/22 CL I, II, III DIV 2





IS440.2
5G RADIO

IS540.2
SMARTPHONE

IS880.2
SMARTPHONE

IS940.2
ANDROID TABLET

IS945.2
WINDOWS TABLET

APPROVAL Ⓜ II 3G Ex ic IIC T4 Gc Ⓜ II 3D Ex ic IIIC T135°C Dc Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc Class I Div. 2 Groups A, B, C, D, T4 Class II Div. 2 Groups F, G, T135°C Class III	PROCESSOR Qualcomm® QCM6490 Octa Core
OPERATING SYSTEM ISM-OS	MEMORY 4 GB RAM, 64 GB internal memory
DIMENSIONS weight: 307 g size: 136,6 x 70 x 32 mm	FREQUENCIES 4G LTE-FDD: B1/2/3/4/5/7/8/12 with MFB1/13/14/17/20/25/26/28/29/ 30/66/68/71 4G LTE-TDD: B38/39/40/41/42/43/48 5G NR: n1/n2/n3/n5/n7/n8/n12/n14/ 20/n25/n28/n30/n38/n40/n41/n48/n66/ n71/n77/n78/n79
DISPLAY 2,4" Corning® Gorilla® Glass, 3rd generation with a resolution of 320 x 240 px	BATTERY 2400 mAh, replaceable
CAMERA 8 MP AF (front)	SAFETY FUNCTIONS function key red (e.g. SOS), function key left (e.g. PTT), LWP ready*, PTT ready*
WIRELESS COMMUNICATION Bluetooth® 5.2, NFC, Wi-Fi®, GPS, A-GPS, GLONASS, A-GLONASS, Bei- dou, Galileo, NavIC, QZSS, SBAS	DEGREE OF PROTECTION IP68 dust-/waterproof MIL-STD 810H usable from -20 °C to +55 °C

APPROVAL Ⓜ II 3G Ex ic IIC T4 Gc Ⓜ II 3D Ex ic IIIC T135°C Dc Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc Class I Div. 2 Groups A, B, C, D, T4 Class II Div. 2 Groups F, G, T4 Class III Div. 2, T4	PROCESSOR Qualcomm® QCM6490 Octa Core
OPERATING SYSTEM Android™ 14	MEMORY 8 GB RAM, 128 GB internal memory, microSD up to 128 GB
DIMENSIONS weight: 422 g size: 180,0 x 84,9 x 20,6 mm	FREQUENCIES GSM: 850/900/1800/1900 MHz WCDMA: B1/2/4/5/8 4G LTE-FDD: B1/2/3/4/5/7/8/12 with FBI/13/14/17/20/25/26/28/28/ 29/30/66/71 4G LTE-TDD: B38/39/40/41/42/43/48 5G NR: n1/n2/n3/n5/n7/n8/n12/n20/ n25/n28/n30/n38/n40/n41/n48/n66/ n71/n77/n78/n79
BATTERY 4400 mAh, replaceable	SAFETY FUNCTIONS function key red, LWP ready*, PTT ready*
WIRELESS COMMUNICATION Bluetooth® 5.2, NFC, Wi-Fi 6, GPS, A-GPS, GLONASS, Beidou, Galileo	DEGREE OF PROTECTION IP68 dust-/waterproof MIL-STD 810H usable from -20 °C to +55 °C

APPROVAL Ⓜ II 3G Ex ic IIC T4 Gc Ⓜ II 3D Ex ic IIIC T135°C Dc Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc	MEMORY 6 GB RAM, 128 GB internal memory, external memory microSD up to 128 GB
OPERATING SYSTEM Android™ 14	FREQUENCIES 2G GSM: 850/900/1800/1900 MHz 3G WCDMA: B1/2/4/5/8 4G LTE-FDD: B1/2/3/4/5/7/8/12/13/14/ 17/20/28/66 4G LTE-TDD: B34/38/39/40/41
DIMENSIONS weight: 285 g size: 161,0 x 75,0 x 15,8 mm	BATTERY 4500 mAh, replaceable
DISPLAY 5,5" Rug Display Glass useable with gloves	SAFETY FUNCTIONS function key red (e.g. SOS), function key left (e.g. PTT), LWP ready*, PTT ready*
CAMERA 50 MP AF (rear), 8 MP FF (front)	DEGREE OF PROTECTION IP68 dust-/waterproof MIL-STD 810H usable from -20 °C to +55 °C
WIRELESS COMMUNICATION Bluetooth® 5.1, NFC, Wi-Fi, GPS, A-GPS, GLONASS, Beidou, Galileo	
PROCESSOR Qualcomm® Snapdragon SM6225 Octa Core	

APPROVAL Ⓜ II 3G Ex ic IIC T4 Gc Ⓜ II 3D Ex ic IIIC T135°C Dc Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc	PROCESSOR Qualcomm® QCM6490 Octa Core
OPERATING SYSTEM Android™ 14 (IS940.2) Windows® 11 IoT Enterprise LTSC for Arm64 (IS945.2)	MEMORY 8 GB RAM, 128 GB internal memory, external memory microSD up to 512 GB
DIMENSIONS weight: 1059 g size: 266,17 x 168,46 x 19,82 mm	FREQUENCIES 4G LTE-FDD: B1/2/3/4/5/7/8/12 with MFB1/13/14/17/20/25/26/28A/ 28B/29/30/66/71/68 4G LTE-TDD: B38/39/40/41/42/43/48 5G NR: n1/n2/n3/n5/n7/n8/n12/n14/ n20/n25/n28/n30/n38/n40/n41/n48/ n66/n71/n77/n78/n79
DISPLAY 10,1" Corning® Gorilla® Glass, 3rd Generation with a resolution of 1200 x 1920 px	BATTERY 8160 mAh, replacable
CAMERA AOS: 50 MP AF (rear), 5 MP FF (front) WIN: 12 MP AF (rear), 5 MP FF (front)	SAFETY FUNCTIONS function key red, PTT ready*, LWP ready*
WIRELESS COMMUNICATION Bluetooth® 5.2, NFC, Wi-Fi 6, GPS, GPS, A-GPS, GLONASS A.GLONASS, Beidou, Galileo	DEGREE OF PROTECTION IP68 dust-/waterproof MIL-STD 810H usable from -20 °C to +55 °C

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