



IS-TH2ER.1

HANDHELD BARCODE-SCANNER

APPROVAL

Ⓜ II 2G Ex ib op is IIC T4 Gb
 Ⓜ II 2D Ex ib op is IIIC T135°C Db
 Ex ib op is IIC T4 Gb
 Ex ib op is IIIC T135°C Db
 Class I Div. 1 Groups A, B, C, D, T4
 Class II Div. 1 Groups E, F, G, T135°C
 Class III Div. 1

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-SW1.1

SMARTWATCH

APPROVAL

Ⓜ II 2G Ex ib IIC T4 Gb
 Ⓜ II 2D Ex ib IIIC T135°C Db
 Ex ib IIC T4 Gb
 Ex ib IIIC T135°C Db
 Class I Div. 1 Groups A, B, C, D, T4
 Class II Div. 1 Groups E, F, G, T135°C
 Class III Div. 1 T4

OPERATING SYSTEM

ISM-OS

DIMENSIONS

weight: 70 g
 size: 53,95 x 45,4 x 17,6 mm

DISPLAY

1,6" touchscreen with a
 resolution of 320 x 360 px

BATTERY

500 mAh

WIRELESS COMMUNICATION

Bluetooth® 5.1, Wi-Fi® 2,4 GHz, GPS,
 GLONASS, Beidou, Galileo, NFC

SENSORS

Pulse, SpO₂, accelerometer,
 gyroscope, magnetic, pressure

MEMORY

1 GB RAM, 8 GB internal
 memory

SAFETY FUNCTIONS

SOS key, LWP ready*

VIBRATION ALARM

DEGREE OF PROTECTION

IP68
 MIL-STD 810H
 usable from -10 °C to +55 °C



IS-RSM3x.1

REMOTE SPEAKER MICROPHONE

APPROVAL

Ⓜ II 2G Ex ib IIC T4 Gb
 Ⓜ II 2D Ex ib IIIC T135°C Db
 Ex ib IIC T4 Gb
 Ex ib IIIC T135°C Db
 Class I Div. 1 Groups A, B, C, D, T4
 Class II Div. 1 Groups E, F, G, T135°C
 Class III

DIMENSIONS

weight: 205 g
 size: 104,26 x 64,0 x 32,2 mm

CONNECTION

IS-RSM3A.1 helical cable with 16-pin
 ISM connector

IS-RSM3B.1 Bluetooth

BATTERY

2200 mAh

LOUDSPEAKER

>103 dB

MICROPHONE

Electret condenser microphone
 Omni-Directional

DEGREE OF PROTECTION

IP68
 MIL-STD 810H
 operation range -20 to +55 °C

MORE FEATURES

Function key left (PTT)
 Up & down key
 Function key circular
 All keys can be assigned to a
 function via the „Button APP“
 (except volume +/-)

Mobile phones, smartphones and tablets for ATEX zone 1, 2, 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 +60°C



RugDisplay-Glass



cleaning with
 germicide possible

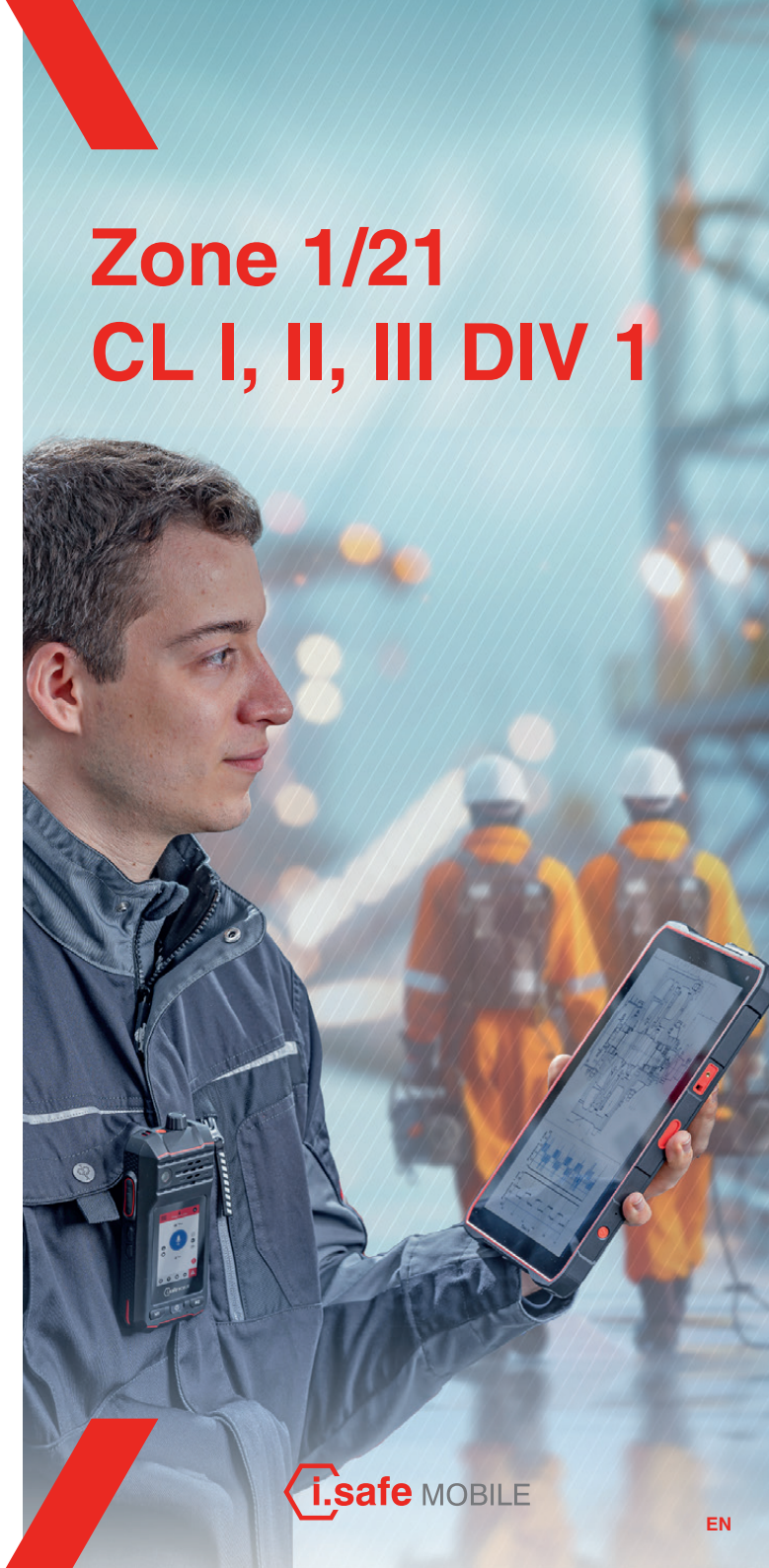


amplified loudspeaker



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 97922 Lauda-Koenigshofen
 Germany

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Zone 1/21 CL I, II, III DIV 1

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



IS380.1
4G RADIO



IS440.1
5G RADIO



IS540.1
SMARTPHONE



IS940.1
ANDROID TABLET

IS945.1
WINDOWS TABLET



REALWEAR NAVIGATOR Z1
HEAD MOUNTED TABLET

APPROVAL applied for
 Ⓢ II 2G Ex ia IIC T4 Gb
 Ⓢ II 2D Ex ia IIIC T135°C Db
 Ex ia IIC T4 Gb
 Ex ia IIIC T135°C Db

PROCESSOR
 Qualcomm® Snapdragon 662 Octa Core

MEMORY
 8 GB RAM, 128 GB internal memory

FREQUENCIES
 GSM: 850/900/1800/1900 MHz
 WCDMA: B1/2/4/5/8
 4G LTE-FDD: B1/B2/B3/B4/B5/B7/B8/
 B12/B13/B14/B17/B18/B19/B20/B25/
 B26/B28A/B28B/B29/B30/B66/B71
 4G LTE-TDD: B34/B38/B39/B40/B41

OPERATING SYSTEM
 ISM-OS 16

DIMENSIONS
 weight: 359 g
 size: 138 x 60 x 32 mm

DISPLAY
 2,4" Corning® Gorilla® Glass V3
 with a resolution of 240 x 320 px

WIRELESS COMMUNICATION
 Bluetooth® 5.1

BATTERY
 3600 mAh, replaceable

DEGREE OF PROTECTION
 IP68 dust-/waterproof
 MIL-STD 810H
 usable from -20 °C to +55 °C

APPROVAL
 Ⓢ II 2G Ex ib IIC T4 Gb
 Ⓢ II 2D Ex ib IIIC T135°C Db
 Ex ib IIC T4 Gb
 Ex ib IIIC T135°C Db
 Class I Div. 1 Groups A, B, C, D, T4
 Class II Div. 1 Groups E, F, G, T135°C
 Class III

PROCESSOR
 Qualcomm® QCM6490

MEMORY
 4 GB RAM, 64 GB internal memory

FREQUENCIES
 4G LTE-FDD: B1/2/3/4/5/7/8/12
 with MFBI/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

OPERATING SYSTEM
 ISM-OS

DIMENSIONS
 weight: 307 g
 size: 136,6 x 70 x 32 mm

DISPLAY
 2,4" Corning® Gorilla® Glass,
 3rd generation with a resolution
 of 320 x 240 px

CAMERA
 8 MP AF (front)

WIRELESS COMMUNICATION
 Bluetooth® 5.2, NFC, Wi-Fi®, GPS,
 A-GPS, GLONASS, A-GLONASS, Beidou,
 Galileo, NavIC, QZSS, SBAS

BATTERY
 2400 mAh, replaceable

SAFETY FUNCTIONS
 function key red (e.g. SOS),
 side key left (e.g. PTT),
 LWP ready*, PTT ready*

DEGREE OF PROTECTION
 IP68 dust-/waterproof
 MIL-STD 810H
 usable from -20 °C to +55 °C

APPROVAL
 Ⓢ II 2G Ex ib IIC T4 Gb
 Ⓢ II 2D Ex ib IIIC T135°C Db
 Ex ib IIC T4 Gb
 Ex ib IIIC T135°C Db
 Class I Div. 1 Groups A, B, C, D, T4
 Class II Div. 1 Groups E, F, G, T135°C
 Class III Div. 1 T4

PROCESSOR
 Qualcomm® QCM6490 Octa Core

MEMORY
 8 GB RAM, 128 GB internal memory,
 microSD up to 512 GB

FREQUENCIES
 GSM: 850/900/1800/1900 MHz
 WCDMA: B1/2/4/5/8
 LTE-FDD: B1/2/3/4/5/7/8/12
 with MFBI/13/ 14/17/20/25/26/28/28/
 29/30/66/71
 LTE-TDD: B38/39/40/41/42/43/48
 NR: n1/n2/n3/n5/n7/n8/n12/n20/n25/
 n28/n30/n38/n40/n41/n48/n66/n71/
 n77/n78/n79

OPERATING SYSTEM
 Android™ 14

DIMENSIONS
 weight: 422 g
 size: 180,0 x 84,9 x 20,6 mm

DISPLAY
 6" Corning® Gorilla® Glass,
 3rd generation, resolution of
 1080 x 2160 px

CAMERA
 48 MP AF (rear), 5 MP FF (front)

WIRELESS COMMUNICATION
 Bluetooth® 5.2, NFC, Wi-Fi® 6, GPS,
 A-GPS, GLONASS, Beidou, Galileo

BATTERY
 4400 mAh, replaceable

SAFETY FUNCTIONS
 function key red,
 LWP ready*, PTT ready*

DEGREE OF PROTECTION
 IP68 dust-/waterproof
 MIL-STD 810H
 usable from -20 °C to +55 °C

APPROVAL
 Ⓢ II 2G Ex ib IIC T4 Gb
 Ⓢ II 2D Ex ib IIIC T135°C Db
 Ex ib IIC T4 Gb
 Ex ib IIIC T135°C Db
 Class I Div. 1 Groups A, B, C, D, T4
 Class II Div. 1 Groups E, F, G, T155°C
 Class III

PROCESSOR
 Qualcomm® QCM6490 Octa Core

MEMORY
 8 GB RAM, 128 GB internal memory,
 external memory microSD up to 512 GB

FREQUENCIES
 4G LTE-FDD: B1/B2/B3/B4/B5/B7/B8/
 B12 with MFBI/B13/B14/B17/B20/B25/
 B26/B28A/B28B/B29/B30/B66/B71/B68
 4G LTE-TDD: B38/B39/B40/B41/B42/
 B43/B48
 5G NR: n1/n2/n3/n5/n7/n8/n12/n14/
 n20/n25/n28/n30/n38/n40/n41/n48/
 n66/n71/n77/n78/n79

OPERATING SYSTEM
 Android™ 14 (IS940.1)
 Windows 11 IoT Enterprise (IS945.1)

DIMENSIONS
 weight: 1059 g
 size: 266,17 x 168,46 x 19,82 mm

DISPLAY
 10,1" Corning® Gorilla® Glass,
 3rd Generation with a resolution
 of 1200 x 1920 px

CAMERA
 AOS: 50 MP AF (rear), 5 MP FF (front)
 WIN: 12 MP AF (rear), 5 MP FF (front)

WIRELESS COMMUNICATION
 Bluetooth® 5.2, NFC (IS940.1), Wi-Fi 6,
 GPS, A-GPS, GLONASS, A-GLONASS,
 Beidou, Galileo

BATTERY
 8160 mAh, replaceable

SAFETY FUNCTIONS
 function key red, PTT ready*, LWP ready*

DEGREE OF PROTECTION
 IP68 dust-/waterproof
 MIL-STD 810H
 usable from -20 °C to +55 °C

APPROVAL
 I M1 Ex ia I Ma
 Ⓢ II 2G Ex ib IIC T4 Gb
 Ⓢ II 2D Ex ib IIIC T200°C Db
 Ex ib IIC T4 Gb
 Ex ib IIIC T200°C Db
 Class I Div. 1 Groups A, B, C, D, T4
 Class II Div. 1 Groups E, F, G, T200°C
 Class III

VISUAL CAMERA
 48 MP AF, PDAF with LED flashlight,
 up to 1080p @ 60 fps, >6x zoom in HD,
 video stabilization. codecs: VP8, VP9,
 H.264, H.265 HEVC

WIRELESS COMMUNICATION
 Bluetooth® 5.2, Wi-Fi® 6/6E, GPS,
 GLONASS, Beidou, Galileo, NavIC,
 QZSS, SBAS

PROCESSOR
 Qualcomm® SQCS6490

MEMORY
 8 GB RAM, 125 GB internal memory

INCLUDED APPLICATIONS
 document navigator, camera with
 barcode reader, Audio Recorder, Video
 Recorder, Webpage Viewer, Cloud Sync,
 Media Player, Calculator, Pedometer,
 Timer

BATTERY
 2550 mAh, replaceable and
 rechargeable, for full shift use

DEGREE OF PROTECTION
 IP66
 MIL-STD 810H
 usable from -20 °C to +55 °C

OPERATING SYSTEM
 Android™ 12 (AOSP) + WearHF™
 hands-free interface

DIMENSIONS
 weight: 383 g

DISPLAY
 0,35", 24° field-of-view, 24-bit color LCoS,
 outdoor visible, resolution 720 x 1280 px

THERMAL CAMERA MODULE
 Thermal sensor: FLIR Lepton® 3.5,
 Thermal resolution: 160 x 120,
 Effective frame rate: 8.7Hz,
 FOV: 57° (H) nominal | 71° (D) nominal,
 Object temp. range: -20 to 400 °C,
 Thermal sensitivity (NETD): <50mK,
 Spectral range: 8 to 14µm,
 Accuracy - High gain Mode: Greater of
 +/- 5 °C or 5% (typical), Low gain Mode:
 Greater of +/- 10 °C or 10% (typical)

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