



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

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-TH1xx.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: 377 g
size: 202 x 127 x 90 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
Available device options:
IS-TH1MR.1 (mid range)
with Zebra SE4750 MR up to 6 m

IS-TH1ER.1 (extended range)
with Zebra SE4850 ER up to 18 m



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

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
2.200 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 +/-)



IS-RSMG2.1
REMOTE SPEAKER MICROPHONE

APPROVAL
Ⓢ II 2G Ex ib IIC T4 Gb
Ex ib IIC T4 Gb
Class I Div. 1 Groups A B C D T4

DIMENSIONS
weight: 212 g
size: 98,11 x 65,93 x 26,96 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, 2 and industrial use

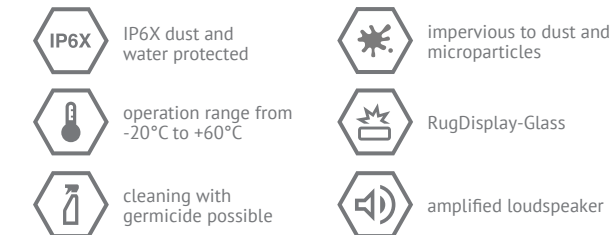
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Our priority is development of practice-oriented products based on the legal requirements. We place great emphasis on quality not only in the development of our products, but also by offering customized service to your needs and detailed maintenance 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



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





IS440.1

5G RADIO

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	MEMORY 4 GB RAM, 64 GB internal memory
OPERATING SYSTEM ISM-OS	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
DIMENSIONS weight: 307 g size: 136,6 x 70 x 32 mm	BATTERY 2400 mAh, replaceable
DISPLAY 2,4" Corning® Gorilla® Glass, 3rd generation with a resolution of 320 x 240 px	SAFETY FUNCTIONS function key red (e.g. SOS), side key left (e.g. PTT), LWP ready*, PTT ready*
CAMERA 8 MP AF (front)	DEGREE OF PROTECTION IP68 dust-/waterproof MIL-STD 810H usable from -20 °C to +55 °C
WIRELESS COMMUNICATION Bluetooth® 5.2, NFC, Wi-Fi®, GPS, A-GPS, GLONASS, A-GLONASS, Beidou, Galileo	
PROCESSOR Qualcomm® QCM6490	

IS530.1

SMARTPHONE

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 Class I Div. 1 Groups A, B, C, D, T4 Class II Div. 1 Groups E, F, G, T135°C Class III Div. 1	MEMORY 4 GB RAM, 64 GB internal memory, external memory microSD up to 128 GB
OPERATING SYSTEM Android™ 13	FREQUENCIES GSM: 850/900/1800/1900 MHz WCDMA: B1/2/4/5/8 LTE-FDD: B1/2/3/4/5/7/8/12 with MFB1/13/14/17/20/25/ 26/28A/28B/29/30/66 LTE-TDD: B38/B39/B40/B41 LTE-TD: B34/B39
DIMENSIONS weight: 325 g size: 155 x 80 x 25 mm	BATTERY 3600 mAh, replaceable
DISPLAY 4,5" Corning® Gorilla® Glass with a resolution of 854 x 480 px	SAFETY FUNCTIONS function key red (e.g. SOS), side key left (e.g. PTT), LWP ready*, PTT ready*
CAMERA 13 MP AF (rear), 5 MP FF (front)	DEGREE OF PROTECTION IP68 dust-/waterproof MIL-STD 810H usable from -20 °C to +60 °C
WIRELESS COMMUNICATION Bluetooth® 5, NFC, Wi-Fi®, GPS, A-GPS, GLONASS, Beidou, Galileo	
PROCESSOR Qualcomm® Snapdragon™SDM660 Octa Core	

IS540.1

SMARTPHONE

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	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 LTE-FDD: B1/2/3/4/5/7/8/12 with MFB1/13/ 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
DISPLAY 6" Corning® Gorilla® Glass, 3rd generation, resolution of 1080 x 2160 px	BATTERY 4400 mAh, replaceable
CAMERA 48 MP AF (rear), 5 MP FF (front)	SAFETY FUNCTIONS function key red, LWP ready*, PTT ready*
WIRELESS COMMUNICATION Bluetooth® 5.2, NFC, Wi-Fi® 6, GPS, A-GPS, GLONASS, A-GLONASS, Beidou, Galileo	DEGREE OF PROTECTION IP68 dust-/waterproof MIL-STD 810H usable from -20 °C to +55 °C

IS930.1

TABLET

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 Class I Div. 1 Groups A, B, C, D, T4 Class II Div. 1 Groups E, F, G, T135°C Class III Div. 1	MEMORY 4 GB RAM, 64 GB internal memory, external memory microSD up to 128 GB
OPERATING SYSTEM Android™13	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 MFB1/13/14/17/20/25/26/28A/ 28B/29/30/66 LTE-TDD: B38/B39/B40/B41 TD-SCDMA: B34/B39
DIMENSIONS weight: 890 g size: 237 x 156 x 22 mm	BATTERY 8400 mAh
DISPLAY 8" RugDisplay Glass multi capacitive touchscreen with a resolution of 1200 x 1920 px	SAFETY FUNCTIONS function key red, LWP ready*
CAMERA 13 MP AF (rear), 5 MP FF (front)	DEGREE OF PROTECTION IP68 dust-/waterproof MIL-STD 810H usable from -20 °C to +60 °C
WIRELESS COMMUNICATION Bluetooth® 5, NFC, Wi-Fi®, GPS, A-GPS, GLONASS, Beidou, Galileo	
PROCESSOR Qualcomm® Snapdragon™ SDM660 Octa Core	

IS940.1

ANDROID TABLET

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	PROCESSOR Qualcomm® QCM6490 Octa Core
OPERATING SYSTEM Android™ 14 (IS940.1) Windows 11 IoT Enterprise (IS945.1)	MEMORY 8 GB RAM, 128 GB internal memory, external memory microSD up to 128 GB
DIMENSIONS weight: 1059 g size: 266,17 x 168,46 x 19,82 mm	FREQUENCIES 4G LTE-FDD: B1/B2/B3/B4/B5/B7/B8/ B12 with MFB1/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
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, A-GPS, GLONASS, A-GLONASS, Beidou, Galileo	DEGREE OF PROTECTION IP68 dust-/waterproof MIL-STD 810H usable from -20 °C to +55 °C

IS945.1

WINDOWS TABLET

REALWEAR NAVIGATOR Z1

HEAD MOUNTED TABLET

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
OPERATING SYSTEM Android™ 12 (AOSP) + WearHF™ hands-free interface	WIRELESS COMMUNICATION Bluetooth® 5.2, Wi-Fi® 6/6E, GPS, GLONASS, Beidou, Galileo, NavIC, QZSS, SBAS
DIMENSIONS weight: 383 g	PROCESSOR Qualcomm® SQCS6490
DISPLAY 0,35"; 24° field-of-view, 24-bit color LCoS, outdoor visible, resolution 720 x 1280 px	MEMORY 8 GB RAM, 125 GB internal memory
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)	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

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