



REALWEAR NAVIGATOR Z1 HEAD MOUNTED TABLET

APPROVAL

Ⓜ 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

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

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, removable and
 rechargeable, for full shift use

DEGREE OF PROTECTION

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



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 loaded in 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-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

ISM interface,
 over the spiral cable

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

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





IS120.1
MOBILE PHONE



IS440.1
5G RADIO



IS530.1
SMARTPHONE



IS540.1
SMARTPHONE



IS930.1
TABLET



IS940.1
ANDROID TABLET

IS945.1
WINDOWS 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

OPERATING SYSTEM
 ISM-OS

DIMENSIONS
 weight: 214 g
 size: 139,2 x 63,2 x 25,7 mm

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

WIRELESS COMMUNICATION
 Bluetooth® 5, Wi-Fi®

PROCESSOR
 MT6761D
 Quad Core, 1,8 GHz

MEMORY
 2 GB RAM, 16 GB internal memory

FREQUENCIES
 GSM: B2/3/5/8
 WCDMA: B1/2/4/5/8
 LTE-FDD: B1/2/3/4/5/7/8/20/28
 LTE-TDD: B34/B38/39/B40/B41

BATTERY
 2200 mAh, replaceable

DEGREE OF PROTECTION
 IP68 dust-/waterproof
 MIL-STD 810H
 usable from -20 °C to +60 °C

CAMERA
 8 MP AF (front)

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

PROCESSOR
 Qualcomm® QCM6490

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: 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® 6, GPS,
 A-GPS, GLONASS, A-GLONASS, Beidou,
 Galileo

PROCESSOR
 Qualcomm® QCM6490

MEMORY
 4 GB RAM, 64 GB internal memory

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

BATTERY
 2400 mAh, replaceable

SAFETY FUNCTIONS
 SOS key, PTT key
 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 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

OPERATING SYSTEM
 Android™ 13

DIMENSIONS
 weight: 325 g
 size: 155 x 80 x 25 mm

DISPLAY
 4,5" Corning® Gorilla® Glass
 with a resolution of 854 x 480 px

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

WIRELESS COMMUNICATION
 Bluetooth® 5, NFC, Wi-Fi® 6, GPS, A-GPS,
 GLONASS, Beidou, Galileo

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: B1/2/4/5/8
 LTE-FDD: B1/2/3/4/5/7/8/12 mit MFB1/
 13/14/17/20/25/ 26/28A/28B/29/30/66
 LTE-TDD: B38/B39/B40/B41
 LTE-TD: B34/B39

BATTERY
 3600 mAh, replaceable

SAFETY FUNCTIONS
 SOS key, PTT key
 LWP ready*, PTT ready*

DEGREE OF PROTECTION
 IP68 dust-/waterproof
 MIL-STD 810H
 usable from -20 °C to +60 °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 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

OPERATING SYSTEM
 Android™ 12

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, A-GLONASS, Beidou,
 Galileo

PROCESSOR
 Qualcomm® QCM6490 Octa Core

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

BATTERY
 4400 mAh, replaceable

SAFETY FUNCTIONS
 Red key
 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 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

OPERATING SYSTEM
 Android™13

DIMENSIONS
 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, NFC, Wi-Fi® 6, GPS,
 A-GPS, GLONASS, Beidou, Galileo

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: 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

BATTERY
 8400 mAh

SAFETY FUNCTIONS
 SOS key, LWP ready*

DEGREE OF PROTECTION
 IP68 dust-/waterproof
 MIL-STD 810H
 usable from -20 °C to +60 °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

OPERATING SYSTEM
 Android™ 13 (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, Wi-Fi® 6, GPS,
 GPS, A-GPS, GLONASS, A-GLONASS,
 Beidou, Galileo

PROCESSOR
 Qualcomm® QCM6490 Octa Core

MEMORY
 8 GB RAM, 128 GB interner
 Speicher, externer Speicher microSD
 erweiterbar auf 128 GB

FREQUENCIES
 4G, 5G

BATTERY
 8160 mAh, replacable

SAFETY FUNCTIONS
 SOS key, PTT ready*, LWP ready*

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

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