

**ZONE 1/21
CL I, II, III DIV 1**

5G



IS540.1

- High-End Chipset
- 48 MP camera
- 6" display

The 5G smartphone supports a wide range of frequency bands and offers the highest image quality through the 48 MP main camera. The high-quality processor ensures fast data processing for the most demanding industrial applications such as predictive maintenance. The 16-pin ISM interface provides a secure connection for audio accessories, barcode scanners or other add-ons.

DATASHEET

IS540.1



APPROVALS



ATEX approval: EX-Zone 1/21 requested
⊕ II 2G Ex ib IIC T4 Gb
⊕ II 2D Ex ib IIIC T135°C Db



IECEx approval: EX-Zone 1/21 requested
Ex ib IIC T4 Gb
Ex ib IIIC T135°C Db



UKCA approval: EX-Zone 1/21 requested
⊕ II 2G Ex ib IIC T4 Gb
⊕ II 2D Ex ib IIIC T135°C Db



NEC500 approval requested:
Class I, II, III Division 1
Groups A B C D E F G T4

TECHNICAL FEATURES

Operating system	Android™ 12
Processor	Qualcomm QCM6490
Memory	8 GB RAM 128 GB internal memory microSD memory up to 128 GB
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 with MFBI B13/14/17/20/25/26/28/29/30/66 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
Dimensions	size: 180,0 x 84,9 x 20,6 mm weight: 422 g
Display	6" Gorilla Glass® 3 rd generation 1080 x 2160 pixels FHD
Battery	4400 mAh replaceable
Camera	48 MP AF rear camera 5 MP FF front camera
Connections	Wi-Fi 6: IEEE 802.11 a/b/g/n/ac/ax/e/k/r/v Bluetooth® 5.2 GPS, A-GPS, Glonass, A-Glonass, Beidou, Galileo Near Field Communication (NFC)
Types of protection	IP68 dust-/waterproof MIL-STD-810H usable from -20 °C to +55 °C

FURTHER FEATURES



Red key (function key assignable for different 3rd party application; e.g. loneworker protection)



16-pin ISM interface



Side key (function key assignable for different 3rd party application; e.g. Push To Talk)



Amplified loudspeaker



1 nano SIM + eSIM



Accelerometer, gyroscope, light, magnetic, proximity, pressure sensors

SET CONTENT

Smartphone, Battery, i.safe PROTECTOR 2.0 Type C USB Cable, Power Adapter universal, Screwdriver, Display Protection Foil, Display Cleaning Cloth, Quick Start Manual and Safety Instructions



Please visit our website and you will find more detailed information, as well as an overview of compatible accessories.