

**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

<b>Operating system</b>	Android™ 12
<b>Processor</b>	Qualcomm QCM6490
<b>Memory</b>	8 GB RAM   128 GB internal memory   microSD memory up to 128 GB
<b>Frequencies</b>	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 B13/14/17/20/25/26/28/29/30/66/71 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
<b>Dimensions</b>	size: 180,0 x 84,9 x 20,6 mm   weight: 422 g
<b>Display</b>	6"   Gorilla Glass® 3 <sup>rd</sup> generation   1080 x 2160 pixels   FHD
<b>Battery</b>	4400 mAh   replaceable
<b>Camera</b>	48 MP AF rear camera   5 MP FF front camera
<b>Connections</b>	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)
<b>Types of protection</b>	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.