

# DATASHEET

## IS540.1



### APPROVALS



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



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



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

Further approvals: PCEC (China) | TIIS (Japan) | INMETRO (Brazil) | IA (South Africa)

### TECHNICAL FEATURES MODEL M540A01

<b>Operating system</b>	Android™ 12
<b>Processor</b>	Qualcomm® QCM6490 Octa Core
<b>Memory</b>	8 GB RAM   128 GB internal memory   microSD memory up to 128 GB
<b>Supported frequency bands</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"   Corning® 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>SIM support</b>	1 nano SIM + eSIM
<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>Ports in/out</b>	16-pin ISM interface USB-C
<b>Sensors</b>	Accelerometer, Gyroscope, Light, Magnetic, Proximity, Pressure sensors
<b>Types of protection</b>	IP68 dust-/waterproof   MIL-STD-810H   usable from -20 °C to +55 °C

### FURTHER FEATURES

Red key top | Optional functions assignable via Button App (system integrated), e.g. LWP

Side key left | Optional functions assignable via Button App (system integrated), e.g. PTT

Amplified loudspeaker

### 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.