

## SMARTPHONE ZONE 1/21

# IS541.1



### APPROVALS



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



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

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

### TECHNICAL FEATURES

Model M541A01

#### OPERATING SYSTEM

Android™ 14

#### PROCESSOR

Qualcomm® QCM6490 Octa Core

#### MEMORY

12 GB RAM | 256 GB internal memory | microSD card supported

#### SUPPORTED FREQUENCY BANDS

2G GSM 850/900/1800/1900 MHz  
3G WCDMA B1/2/4/5/8  
4G LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12 MFBI/B13/B14/B17/B20/B25/B26/B28A/B28B/B29/B30/B31/B66/B71/B72  
4G LTE-TDD: B38/B39/B40/B41/B42/B43/B48  
5G NR: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n30/n31/n38/n40/n41/n48/n66/n71/n72/n77/n78/n79

#### DIMENSIONS

Size: 180,0 x 84,9 x 20,6 mm | weight: 435,6 g

#### DISPLAY

6" Corning® Gorilla® Glass 3rd generation | 1080 x 2160 Pixel | FHD

#### BATTERY

4400 mAh | replaceable

#### CAMERA

48 MP AF rear camera | 5 MP FF front camera

#### SIM SUPPORT

1 nano SIM + eSIM

#### 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, SBAS  
Near Field Communication (NFC)

#### PORTS IN/OUT

16-pin ISM interface  
USB-C  
450 MHz antenna

#### SENSORS

Accelerometer, Gyroscope, Light, Magnetic, Proximity, Pressure sensors

#### TYPES OF PROTECTION

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

### FURTHER FEATURES

#### FUNCTION KEY RED

Optional functions assignable via System App, e.g. LWP

#### FUNCTION KEYS LEFT

Optional functions assignable via Button App (system integrated)

#### AMPLIFIED LOUDSPEAKER

### SET CONTENT

Smartphone, Battery, USB-C Cable, Power Adapter universal, Antenna + colour coding set, Screwdriver, Display Protection Foil and Safety Instructions

