

SMARTPHONE IS541.1

ZONE 1/21

The world's first 5G smartphone with 450 MHz band support, designed for use in Zones 1/21, ensures reliable connectivity even when public networks are unavailable. Based on the proven IS540.1 platform, the device features a 6-inch FHD display, a powerful Qualcomm® processor and a removable 4,400 mAh battery, ensuring long battery life during shift work.

Thanks to the 16-pin ISM interface, certified accessories such as PTT kits and external hands-free microphones can be securely connected.



Advantages:

- The world's first 5G smartphone supporting the 450 MHz band, designed for Zones 1/21
- Resilient network communication for critical infrastructure
- Extended 450 MHz frequency range: B31/B72 + n31/n72
- Increased storage capacity of 12/256 GB, optimised for AI applications
- Reinforced speaker for use in noisy environments
- Removable 4400 mAh battery
- Programmable side button (e.g. for PoC/PTT)
- Programmable red button (e.g. for lone worker protection / SOS)

Explosion-proof feature

II 2G Ex ia IIC T4 Gb
II 2D Ex ia IIIC T135°C Db

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Technical specifications	
System	Android™ 14
Processor	Qualcomm® QCM6490 Octa Core
Memory	12 GB RAM, 258 GB internal storage
Frequency	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 MFB1/B13/B14/B17/B20/B25/B26/B28/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/n14/n20/n25/n28/n30/n31/n38/n40/n41/n48/n66/n71/n72/n77/n78/n79
Dimensions	180,0 x 84,9 x 20,6 mm, 435,6 g
Display	6,0" Corning® Gorilla® Glass V3
Battery	4400 mAh, replaceable
Camera	48 MP AF (tył) 5 MP FF (przód)
Communication	Wi-Fi® 6: IEEE 802.11 a/b/g/n/ac/e/k/r/ax/v with hotspot Bluetooth® 5.2, GPS, A-GPS, Glonass, Beidou, Galileo, Near Field Communication (NFC)
Type of protection	IP68 MIL-STD 810H military standard Operating temperature range: -20 °C to +55 °C