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# SP9<sup>EX1</sup> Smartphone

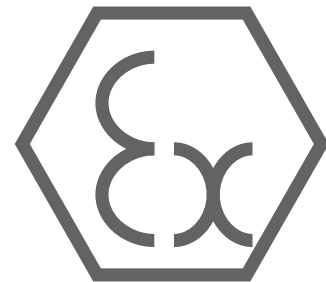
## For Zone 1/Div 1 hazardous areas



The SP9<sup>EX1</sup> Smartphone is the world's most compact 5G smartphone for Zone 1 and Div1. Designed for hazardous environments, it combines advanced safety features with high performance. It offers a broad range of accessories, runs on Android 13<sup>TM</sup>, and provides comprehensive lifecycle support.

The SP9<sup>EX1</sup> Smartphone is tailored for professionals working in hazardous environments, ensuring reliable communication and data management. This smartphone is ideal for field workers, engineers, and safety inspectors who need a secure and durable device in challenging conditions. Its capability to record 4K video and capture high-quality still images in low light allows users to document their work effectively and accurately, even in demanding situations.

- Android 13<sup>TM</sup>
- 6.1" AMOLED
- 48 MP Back Camera
- 8 MP Front Camera
- Faster, future-ready wireless connections with WiFi 6 and 5G



[comm@antideflagranti.com](mailto:comm@antideflagranti.com)



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### Explosion protection

Marking ATEX	<ul style="list-style-type: none"> <li>⊕ II 1G Ex ia IIC T4 Ga</li> <li>⊕ II 2D Ex ia IIIC T135°C Db IP64</li> </ul>
Certification	UL 24 ATEX 3153X
Marking IECEx	<ul style="list-style-type: none"> <li>Ex ia IIC T4 Ga</li> <li>Ex ia IIIC T135°C Db IP64</li> </ul>
Certification	IECEx UL 24.0004X
Marking NEC/CEC 500/505	<ul style="list-style-type: none"> <li>Class I, Div 1, Groups A, B, C and D;</li> <li>Class II, Div 1, Groups E, F and G;</li> <li>Class III, T4</li> <li>Zone 0, AEx ia IIC T4 Ga</li> <li>Zone 21, AEx ia IIIC T135°C Db Ex ia IIC T4 Ga</li> <li>Ex ia IIIC T135°C Db</li> </ul>
Certification	pending

Other details contact [comm@antideflagranti.com](mailto:comm@antideflagranti.com)

### User environment

Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Charging temperature	0 °C to +45 °C (32 °F to +113 °F)
Storage temperature (without battery)	-30 °C to +60 °C (-22 °F to +140 °F)
Protection class (IEC 60529)	IP68

### Technical data

Processor	Qualcomm® QCM6490 Octa Core 2.7 GHz
Memory (RAM)	8 GB
Mass storage	128 GB
SIM	Dual SIM (Nano SIM + eSIM)
Operating system	Android 13™ Hardware supports future Android versions (up to Android™ 15)
Size (L x W x H)	168.7 mm x 83.4 mm x 17.9 mm (6.6 inch x 3.3 inch x 0.7 inch)
Weight (with battery)	350 g (0.77 lb)
Display	6.1" AMOLED
Resolution	1080 x 2340 Pixel
Front glass	Gorilla® Glass Victus® (generation 8)
Touch function	Capacitive Touch
Usability	Stylus, bare or gloved fingertip input
Battery	Lithium-ion battery 3.68 V/4300 mAh (15.8 Wh); Must only be changed and charged outside hazardous areas.
Notifications	Audible tone: multi-color LEDs; vibration
Voice & Audio	Two microphones; Vibrate alert; Speaker; Bluetooth wireless headset support, High quality speakerphone
Buttons	1x on/off button 2x programmable function button (for PTT, Emergency call or other functions) 1x volume buttons (+/-)

### Technical data

External I/O	Charging pins USB-C Port
Sensors	Accelerometer/Gyroscope Magnetometer/Compass Pressure/Barometer Proximity Ambient light
NFC	Read/write NFC tags (e.g. ISO 14443 Type A), contactless payments and card emulation
Camera	<ul style="list-style-type: none"> <li>- Backside: 48 MP with Auto Focus</li> <li>- Frontside: 8 MP</li> </ul>
Radio Frequency Band	<ul style="list-style-type: none"> <li>5G NR (Bands: 1-3, 5, 7, 8, 20, 25, 28, 38, 40, 41, 48, 66, 71, 77, 78)</li> <li>LTE (Bands: 1-5, 7, 8, 12, 13, 17, 20, 28, 38, 40, 41, 48, 66, 71)</li> <li>UMTS (Bands: 1, 2, 4, 5, 8)</li> <li>GSM (Bands: 850, 900, 1800, 1900)</li> </ul>
WLAN-WIFI	<ul style="list-style-type: none"> <li>- Wi-Fi 6 IEEE 802.11a/b/g/n/ac/ax</li> <li>- 2x2 MU-MIMO</li> <li>- Dual band Simultaneous</li> <li>Up to 3.6 Gbps data rate &amp; 160 MHz bw.</li> </ul>
GNSS	GPS, A-GPS, Glonass, Galileo and BeiDou
Bluetooth	Bluetooth® 5.2 including Low Energy long range and multiple broadcasts
Warranty	2 years for SP9 <sup>EX1</sup> Smartphone 6 month for battery and accessories
Service contract	ALL-IN
Scope of delivery	<ul style="list-style-type: none"> <li>- SP9<sup>EX1</sup> Smartphone</li> <li>- Battery</li> <li>- Battery tool</li> <li>- USB-C cable</li> <li>- Quick Start Guide</li> </ul>
Also required	(not included in the delivery) <ul style="list-style-type: none"> <li>- USB-C Charger (e.g. Wall Charger Type G7-S0Z0-0014/0015/0016/0017)</li> </ul>

### Accessories

See datasheet: **SC9<sup>EX1</sup> Smartscanner Accessories** Ensure safety in hazardous areas by using only original accessories.

### Ordering information

SP9 <sup>EX1</sup> Smartphone	17-S19P-31110110
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