

**BARTEC SP9EX1 SMARTPHONE**



**\$4,102.01 GST included**

**SKU:** 17-S19P-31110110 | **Categories:** [Intrinsically Safe](#), [Smartphone](#) |



## GALLERY IMAGES



## PRODUCT DESCRIPTION

### World's most compact 5G Smartphone for Zone 0/Zone 1/Division 1

Engineered for the utmost safety and performance in hazardous environments, the BARTEC SP9<sup>EX1</sup> Smartphone is synonymous with reliability. Combining a robust yet refined design, it balances ruggedness with elegance, ensuring functionality without compromise. As the world's most compact 5G smartphone for ATEX/IECEX Zone 0/1/21 and NEC Class I, II, III, Division 1, it sets a new standard in hazardous area communication.

With a broad range of accessories, Android 13<sup>TM</sup>, and comprehensive lifecycle support, the BARTEC SP9<sup>EX1</sup> Smartphone ensures reliable performance from deployment throughout its lifespan, delivering exceptional safety and efficiency in even the most challenging environments.

## Features & Benefits

- **Compact and lightweight:** Designed and optimized for all-day productivity and one hand use.
  - **Intrinsically safe design:** Over 1,000 dedicated components ensuring ex protection.
- **Fast 5G network connectivity:** Qualcomm® QCM6490 processor supporting both public and private 5G network connectivity.
- **Low-light optimized camera:** 48MP main camera and 8MP front camera for video calls.
  - **Rugged:** MIL-STD-810H and IP68 rated for water and dust resistance

## Hardware Specifications

- **Processor:** Qualcomm® QCM6490 Octa Core 2.7 GHz
  - **Memory (RAM):** 8 GB

- **Mass Storage:** 128 GB
- **Display:** 6.1" AMOLED
- **Resolution:** 1080 x 2340 pixels
- **Front Glass:** Gorilla® Glass Victus® (generation 8)
- **Touch Function:** Capacitive Touch (Stylus, bare or gloved fingertip input)
- **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)
- **Battery:** Lithium-ion battery 3.68 V/4300 mAh (15.8 Wh)

## Connectivity and Network

- **SIM:** Dual SIM (Nano SIM + eSIM)
- **Wireless Connections:** WiFi 6, 5G
  - **Radio Frequency Band:**
    - 5G NR (Bands: 1-3, 5, 7, 8, 20, 25, 28, 38, 40, 41, 48, 66, 71, 77, 78)
    - LTE (Bands: 1-5, 7, 8, 12, 13, 17, 20, 28, 38, 40, 41, 48, 66, 71)
      - UMTS (Bands: 1, 2, 4, 5, 8)
      - GSM (Bands: 850, 900, 1800, 1900)
- **WLAN-WiFi:** Wi-Fi 6 IEEE 802.11a/b/g/n/ac/ax, 2x2 MU-MIMO, Dual band Simultaneous (up to 2042 Mbps data rate and 160 MHz bandwidth)
- **Bluetooth:** Bluetooth® 5.2 (including Low Energy long range and multiple broadcasts)
  - **GNSS:** GPS, A-GPS, Glonass, Galileo, and BeiDou
- **NFC:** Read/write NFC tags (e.g., ISO 14443 Type A), contactless payments, and card emulation

## Camera and Audio

- **Back Camera:** 48 MP with Auto Focus
  - **Front Camera:** 8 MP
- **Voice & Audio:** Two microphones, Vibrate alert, Speaker, Bluetooth wireless headset support, High-quality speakerphone
- **Notifications:** Audible tone, multi-color LEDs, vibration

## Additional Features and Accessories

- **Operating System:** Android 13™
- **Operating Temperature:** -20 °C to +55 °C (-4 °F to +131 °F)
  - **Protection Class (IEC 60529):** IP68
  - **External I/O:** Charging pins, USB-C Port
- **Sensors:** Accelerometer/Gyroscope, Magnetometer/Compass, Pressure/Barometer, Proximity,

Ambient light

- **Buttons:** 1x on/off button, 2x programmable function button (for PTT, Emergency call or other functions), 1x volume buttons (+/-)
- **Scope of Delivery:** BARTEC SP9<sup>EX1</sup> Smartphone, Battery, Battery tool, USB-C cable, Quick Start Guide
  - **Required (not included):** USB-C Charger (e.g., Wall Charger Type G7-S0Z0-0014/0015/0016/0017)



- [Smartphone Information](#)
- [Bartec SP9 EX1 Smartphone Accessories](#)
  - [IEC COC with Notation](#)

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