

BARTEC SC9^{EX1} Smartscanner

For Zone 0/1 and Div1 hazardous areas



The BARTEC SC9^{EX1} Smartscanner is the world's most compact 5G smartscanner for Zone 0/1 and Div1. Featuring an integrated Zebra® scan engine, it adds unparalleled scanning efficiency and accuracy. It shares a broad range of accessories, runs on Android™ 15, and offers comprehensive lifecycle support.

The BARTEC SC9^{EX1} Smartscanner is crafted for professionals needing efficient scanning capabilities in hazardous environments. It is ideal for field workers, inventory managers, and safety inspectors who require precise and reliable data capture and communication in tough conditions. Its ability to record 4K video and capture high-quality still images in low light ensures comprehensive documentation and data accuracy, enhancing operational efficiency and safety.

- Android™ 15
- 6.1" AMOLED
- 48 MP Back Camera
- 8 MP Front Camera
- Advanced Range scanning (up to 12 m)
- Faster, future-ready wireless connections with WiFi 6 and 5G

Explosion protection

Marking ATEX	⊕ II 1G Ex ia op is IIC T4 Ga ⊕ II 2D Ex ia op is IIIC T135 °C Db IP64
Certification	UL 24 ATEX 3153X
Marking IECEx	Ex ia op is IIC T4 Ga Ex ia op is IIIC T135 °C Db IP64
Certification	IECEx UL 24.0004X
Marking NEC/CEC 500/505	Class I, Div 1, Groups A, B, C and D; Class II, Div 1, Groups E, F and G; Class III, T4 Zone 0, AEx ia op is IIC T4 Ga Zone 21, AEx ia op is IIIC T135 °C Db Ex ia op is IIC T4 Ga Ex ia op is IIIC T135 °C Db
Certification	E226123

Other approvals and certificates, see www.bartec.com

User environment

Operating temperature	-20 °C to +55 °C (-4 °F to +131 °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
Drop specification	tested according to MIL-STD-810H

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™ 15 Upgradeable to Android™ 16. Further upgrades are subject to Qualcomm's confirmation.
Size (L x W x H)	168.7 mm x 83.4 mm x 30.8 mm (6.6 inch x 3.3 inch x 1.2 inch)
Weight (with battery)	370 g (0.82 lb)
Display	6.1" AMOLED
Resolution	1080 x 2340 Pixel
Front glass	Gorilla® Glass Victus® (generation 8)
Touch function	Capactive 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

Android is a trademark of Google LLC.

Technical data

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 (+/-)
External I/O	Charging pins USB-C Port
Sensors	Accelerometer/Gyroscope Magnetometer/Compass Pressure/Barometer Proximity Ambient light
Barcode capture	SE55: 1D/2D Advanced Range Scan Engine with IntelliFocus™ technology; reading range up to 12,2 m (480.3 inch) depending on type, size and quality of the barcode Supported symbologies/barcodes: see table
NFC	Read/write NFC tags (e.g. ISO 14443 Type A), contactless payments and card emulation
Camera	Main camera - 48 MP with Auto Focus - Aperture: f/1.79 - Digital Zoom: 8x - Minimum focus distance: 7.5 cm - Photo resolution: 8000 × 6000 (48 MP); 4000 × 3000 (12 MP, Quad Bayer) - Video recording: 4K @ 30 fps; 1080p @ 120 fps (Slow Motion) - Barcode scanning supported (third-party software required) Front camera - 8 MP with fixed focus - Aperture: f/2.0 - Digital Zoom: 8x - Photo resolution: 3264 × 2448 (8 MP) - Video recording: 1080p @ 30 fps; 720p @ 60 fps (Slow Motion)
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 3.6 GBps data rate & 160 MHz bw.
GNSS	GPS, A-GPS, Glonass, Galileo and BeiDou
Bluetooth	Bluetooth® 5.2 including Low Energy long range and multiple broadcasts

Technical data

Warranty	2 years for BARTEC SC9 ^{EX1} Smartscanner 6 month for battery and accessories
Service contract	ALL-IN
Scope of delivery	– BARTEC SC9 ^{EX1} Smartscanner – Battery – Battery tool – USB-C cable – Quick Start Guide
Also required	(not included in the delivery) – USB-C Charger (e.g. Wall Charger Type G7-SOZ0-0014/0015/0016/0017)

Accessories

See datasheet:
BARTEC SP9^{EX1} Smartphone/BARTEC SC9^{EX1} Smartscanner Accessories
 Ensure safety in hazardous areas by using only original BARTEC accessories.

Ordering information – Rest of the world

BARTEC SC9^{EX1} Smartscanner 17-S19C-31111110

Ordering information – North America

BARTEC SC9^{EX1} Smartscanner 17-S19C-31111111
 Version: Verizon

Supported Symbologies/Barcodes

1D/Linear Symbol/Codes	Bookland EAN Chinese 2 of 5 Codabar Code 11 Code 32 Code 39 Code 39	Code 128 Discrete 2 of 5 Full ASCII GS1-128 GS1 DataBar variants Interleaved 2 of 5 ISBT 128	ISBT Concatenation ISSN Korean 3 of 5 Matrix 2 of 5 Trioptic Code 39 UCC Coupon Extended Code UUPC/ EAN/JAN supplementals
2D Stacked and 2D Matrix Symbol/Codes	Aztec Composite Codes Data Matrix	GS1-QR GS1-DM MicroPDF417	Micro QR PDF417QR Code TLC-39
Postal Symbol/Codes	Australian Post (4-state) British Post (4-state) Canadian Post (4-state) Chinese 2 of 5	Japanese Post (4-state) Netherlands (KIX) Post Postnet UPU 4 State Postal FICS US	Postnet US Planet USPS 4 State Postal (US4CB)
OCR (6-to-60-point OCR typeface)	MICR-E13B	OCR-A/B	Serial number of US currency