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BARTEC SC9EX1 Smartscanner

For Zone 1/Div1 hazardous areas

The BARTEC SC9EX1 Smartscanner is the world's most compact 5G smartscanner for Zone 1 and Div1. Featuring a integrated Zebra® scan engine, it adds unparalleled scanning efficiency and accuracy. It shares a broad range of accessories, runs onAndroid™ 15, and offers comprehensive lifecycle support.

The BARTEC SC9EX1 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

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Explosion protection

Marking ATEX	ⓔx II 1G Ex ia op is IIC T4 Ga ⓔx 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
Voice & Audio	Two microphones; Vibrate alert; Speaker; Bluetooth wireless headset support, High quality speakerphone

Android is a trademark of Google LLC.

Technical data

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	– Backside: 48 MP with Auto Focus – Frontside: 8 MP
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
Warranty	2 years for BARTEC SC9EX1 Smartscanner 6 month for battery and accessories
Service contract	ALL-IN
Scope of delivery	– BARTEC SC9EX1 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-S0Z0-0014/0015/0016/0017)

Accessories

See datasheet:
BARTEC SP9EX1 Smartphone/BARTEC SC9EX1 Smartscanner Accessories
Ensure safety in hazardous areas by using only original BARTEC accessories.

Ordering information

BARTEC SC9EX1 Smartscanner	17-S19C-31111110

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Supported Symbologies/Barcodes

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