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TS02
Tiny Ring Barcode Scanner

[Windows] [Android] [Apple] [550mAh] [Bluetooth] [QR/Barcode] [IP65]

Product feature：

1. Zebra Scan Engine

Excellent scan speed for all 1D /2D barcodes

2. Scan Method

Built-in sensor chip on two sides, lightly touch to scan with high sensitivity

3. Drop Test

With 1mm silicon cover , 1.2m drop test, withstanding 200 times

4. Sufficient Battery Life

500mAh replaceable battery, supporting more than 11 hours work after full charge;

5. Optional BLE / NFC Communication

Just tap for instant pairing, with NFC, workers can simply tab the TS02 on NFC-enabled android devices

Charging time: about 2 hours.

6. Standard Charging Cradle

Charger & Charger with bluetooth adapter function for the battery & the whole device

7. Compability

Android & IOS & Windows

PRODUCT SPEC SHEET

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Product name	Bluetooth Barcode Reader			
Model name	TS02			
Dimensions	30.3×33.3×28.0mm (L×W×H)			
Weight	27.4grams（Without silicone case）			
Material	Polycarbonate housing（PC）			

Battery power	Capacity	500mAh		
	Standby	> 30 days		
	Charge time	2 hous		
	Duration	Continuous trigger scanning interval	Decoding number	Working time
		1S	24400	6.8hours
		5S	8500	11.8hours
		10S	5233	14.5hours

Scan Engine	☐ SE2707	☐ SE655	☐N1

Barcode Type	1D	UPC-A, UPC-E, UPC-E1, EAN-8, EAN-13, Bookland EAN, Convert UPC-E to A, Convert UPC-E1 to A, EAN-8 Zero Extend, UCC Coupon Extended Code, ISSN EAN, Code 128, GS1-128 (formerly UCC/EAN-128) ISBT 128, ISBT Concatenation, Check ISBT Table, Code 39, Trioptic Code 39, Convert Code 39 to Code 32, Code 93, Code 11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Inverse 1D, Codabar, MSI, GS1 DataBar
	2D	2D PDF417、QR Code、Data Matrix

Environmental parameters	Drop resistance	Pass 200 times 1.2m drop test (with silicone case)
	temperature	Operating : -20°C to 50°C
		Storage: -40°C to 70°C
	Humidity	5% to 90% (non-condensing)

Electrical	Power: DC5V Typical: 300mA DC5V
CPU	32bit ARM CPU
Data storage	100KB for offline mode: 6000 15 bytes barcodes
Working mode	Bluetooth mode, offline mode
Communication	Class 3 Bluetooth HID, SPP, BLE with 30M distance
OS	IOS, Android, Windows, Mac
Scan mode	Continuous, Level
Ambient illumination	0～10,000 lux

Scanner performance	Sensor Type	640x480 CMOS
	Light	Red LED 625 nm
	Scanner Angle	±60°，±60°,360° pitch, skew, Roll)
	Field of View	Horizontal: 42 Vertical: 31.5
	Repetition	Nominally 50 scans/second
	Contrast	≥20% MRD measured at 630 nm

Decoding depth & Max. Resolution (1 mil = 0.0254 mm)	EAN-13(13mil)	65mm~330mm
	PDF 417	65mm~110mm (6.67mil)
	Code 39(5mil)	65mm~150mm (5mil)
	Data Matrix	50mm~110mm (10mil)
	QR Code	45mm~140mm (15mil)
Certificate	CE, Rohs, FCC, IEC 61000, UL, VDE, and CUL recognized	