

NS02

Bluetooth Barcode Reader



Product feature:

1. Zebra Scan Engine

Excellent scan speed for almost 2D / 1D barcodes

3. High Degree Of Protection

IP65 grade, waterproof and dustproof function enhance its durability

5. Optional BLE / NFC Communication

IP65 grade, waterproof and dustproof function enhance its durability

7. Battery Cover Turn-Off / On

Flexible buckle turn on / off for battery cover makes it very convenient to remove the battery

2. Ruggedness

Polycarbonate housing with overmold (PC+TPU), 1.5m drop test 200 times

4. Sufficient Battery Life

550mAh replaceable & rechargeable battery for more than 12 hours working time

6. Standard Charging Cradle

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

Product name	Bluetooth Barcode Reader				
Model name	NS02				
Dimensions	57.0×42.0×24.4 mm (L×W×H)				
Weight	45 grams				
Material	Polycarbonate housing with overmold(PC+TPU)				
Battery power	Capacity	550mAh			
	Standby	>30 days			
	Charge time	2 hours			
	Duration	Continuous trigger scanning interval	Decoding number	Working time	
		5S	4500	6.2 hours	
Scan Engine	☒ SE4750MR		☐ SE965		☐ N1
Barcode Type	1D	UPC-A, UPC-E, UPC-E1, EAN-8/JAN-8, EAN-13/JAN-13, Bookland EAN, ISSN EAN, EAN/JAN Zero Extend, UCC Coupon Extended Code, UPC Reduced Quiet Zone, Code 128, GS1-128 (formerly UCC/EAN-128), ISBT 128, ISBT Concatenation, Check ISBT Table, Code 128 Reduced Quiet Zone, Code 39, Trioptic Code 39, Convert Code 39 to Code 32, Code 32 Prefix, Code 39 Check Digit Verification, Transmit Code 39 Check Digit, Code 39 Full ASCII Conversion, Code 39 Reduced Quiet Zone, Code 93, Code 11, Transmit Code 11 Check Digits, Interleaved 2 of 5 (ITF), Transm I 2 of 5 Check Digit, Convert I 2 of 5 to EAN-13, Febraban, I 2 of 5 Reduced Quiet Zone, Discrete 2 of 5 (DTF), Codabar (NW - 7), CLSI Editing, NOTIS Editing, Codabar Mod 16 Check Digit Verification, Transmit Codabar Check Digit, MSI, Transmit MSI Check Digit(s), MSI Reduced Quiet Zone, Chinese 2 of 5, Matrix 2 of 5, Matrix 2 of 5 Check Digit, Korean 3 of 5, GS1 DataBar Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, Convert GS1 DataBar to UPC/EAN/JAN, CC-C, CC-A/B, TLC-39, GS1-128 Emulation Mode for UCC/EAN Composite Codes			
	2D	PDF417, MicroPDF417, Code 128 Emulation, Data Ma GS1 Data Matrix, Maxicode, QR Code, GS1 QR, Micro Aztec, Han Xin, Grid Matrix, DotCode, DotCode Priori Transmit Macro PDF Control Header, US Postnet, US Planet, UK Postal, Japan Postal, Australia Post, Netherlands KIX Code, USPS 4CB/One Code/Intelligen Mail, UPU FICS Postal, Mailmark			
Range	Mid-range 2.1in to 138in/5.3cm to 436.9cm				
Resolution	1280*960 pixel				

Electrical	Power: DC5V/2A; Operating Current Typical: 300mA	
MCU	ARM Cortex 32bit	
Data storage	100KB for offline mode: 6000 15 bytes barcodes(optional).	
Working mode	Bluetooth mode, offline mode(optional), RS232 mode(optional), USB Keyboard(optional)	
Communication	Bluetooth HID, SPP, BLE with 30M distance, Support NFC pairing, RS232 cable(optional)	
OS	IOS, Android, Windows, Mac, linux	
Scan mode	Standard (Level), Presentation (Blink), Auto Aim, Auto Aim with Illumination	
Ambient illumination	Max 96,900 lux (direct sunlight)	
Scanner performance	Sensor Type	1280 (horizontal) × 960 (vertical) pixels
	Light	655nm Laser(Aiming LED), 2X Warm white LEDs(Illumination)
	Scanner Angle	±60°, ±60°, ±360° (skew, pitch, Roll)
	Field of view	Horizontal: 31° , Vertical: 23°
	Contrast	≥20%
Certificate	CE, FCC, IP65, IEC, MSDS, UN38.3	
Environmental parameters	Drop Resistance	Pass 200 times 1.5m drop test
	Temperature	Operating : -5°C to 50°C Storage: -20°C to 60°C
	Humidity	< 95% (non-condensing)

Decoding depth & Max. Resolution (1 mil = 0.0254 mm)		Near	Far
	5 mil Code 128	7.4 in./18.8 cm	16.0 in./40.6 cm
	5 mil PDF417	8.1 in./ 20.6 cm	13.1 in./ 33.3 cm
	7.5 mil DataMatrix	8.3 in./ 21.1 cm	12.8 in./ 32.5 cm
	10 mil DataMatrix	7.0 in./ 17.8 cm	17.0 in./ 43.2 cm
	100% UPCA	2.3* in./ 5.8* cm	38.0 in./ 96.5 cm
	15 mil Code 128	4.0* in./ 10.2* cm	40.0 in./ 101.7 cm
	20 mil Code 39	2.1* in./ 5.3* cm	54.0 in./ 137.2 cm
	100 mil Code 39	11.0 in./ 27.9 cm	172.0 in./ 436.9 cm
	160 mil DataMatrix	11.5 in./ 29.2 cm	138.0 in./ 350.5 cm



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