

# NS02

## Portable Bluetooth Barcode Scanner



### Product feature:

- **1. Zebra Scan Engine**

Excellent scan speed for almost 2D / 1D barcodes
- **2. Ruggedness**

Polycarbonate housing with overmold (PC+TPU), 1.5m drop test 200 times
- **3. High Degree Of Protection**

IP65 grade, waterproof and dustproof function enhance its durability
- **4. Sufficient Battery Life**

550mAh replaceable & rechargeable battery for more than 12 hours working time
- **5. Optional BLE / NFC Communication**

IP65 grade, waterproof and dustproof function enhance its durability
- **6. Standard Charging Cradle**

Charger & Charger with bluetooth adapter function for the battery & the whole device
- **7. Battery Cover Turn-Off / On**

Flexible buckle turn on / off for battery cover makes it very convenient to remove the battery
- **7. Scanning Method**

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

# PRODUCT SPEC SHEET



<b>Product name</b>	Portable Bluetooth Barcode Reader		
<b>Model name</b>	NS02		
<b>Dimensions</b>	57.0×42.0×24.4 mm (L×W×H)		
<b>Weight</b>	45 grams		
<b>Material</b>	Polycarbonate housing with overmold (PC+TPU)		
<b>Battery power</b>	Capacity	550mAh	
	Standby	> 30 days	
	Charge time	2 hours	
	Duration	Continuous trigger scanning interval	Decoding number
1S		16800	4.7hours
5S		6400	8.9hours
	10S	3700	10.3hours
<b>Scan Engine</b>	<input checked="" type="checkbox"/> SE2707	<input checked="" type="checkbox"/> SE965	<input type="checkbox"/> N1
<b>Barcode Type</b>	1D	UPC-A, UPC-E, UPC-E1, EAN-8/JAN-8, EAN-13/JAN-13, Bookland EAN, ISSN EAN, Code 128, GS1-128 (formerly UCC/EAN-128), ISBT 128, 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, Code 39 Full ASCII, Code 39 Reduced Quiet Zone, Code 93, Code 11, Interleaved 2 of 5, 12 of 5 Reduced Quiet Zone, Discrete 2 of 5, Codabar(NW-7), CLSI Editing, NOTIS Editing, MSI, Chinese 2 of 5, Matrix 2 of 5, GS1 DataBar-14, GS1 DataBar Limited, GS1 DataBar Expanded, Convert GS1 DataBar to UPC/EAN/JAN, Composite CC-C, Composite CC-A/B, Composite TLC-39, GS1-128 Emulation Mode for UCC/EAN Composite Codes	
	2D	PDF417, MicroPDF417, Code 128 Emulation, Data Matrix, Maxicode, QR Code, Micro QR, Aztec, HanXin, US Postnet, US Planet, UK Postal, Japan Postal, Australia Post, Netherlands KIX Code, USPS 4CB/One Code/Intelligent Mail, UPU FICS Postal	
<b>Environmental parameters</b>	Drop resistance	Pass 200 times 1.5m drop test	
	Tumble Spec	2000 1.64ft / 1 m tumbles	
	temperature	Operating : - 5°C to 50°C	
		Storage: -20°C to 60°C	
Humidity	5% to 90% (non-condensing)		

<b>Electrical</b>	Power: DC5V Typical: 300mA DC5V	
<b>CPU</b>	32bit ARM CPU	
<b>Data storage</b>	100KB for offline mode: 6000 15 bytes barcodes	
<b>Working mode</b>	Bluetooth mode, offline mode and RS232 mode(optional)	
<b>Communication</b>	Class 3 Bluetooth HID, SPP, BLE(optional) with 30M distance, Support NFC pairing, RS232 cable(optional)	
<b>OS</b>	IOS, Android, Windows, Mac	
<b>Scan mode</b>	Manual mode, Continuous, Host, Sense mode	
<b>Ambient illumination</b>	0~107,639 lux	
<b>Scanner performance</b>	Sensor Type	640 (horizontal) × 400 (vertical) pixels
	Light	610nm LED(Aiming LED), 660nm red LED(Illumination)
	Scanner Angle	±60°, ±60°, ±360° (skew, pitch, Roll)
	Field of View	Horizontal: 42° , Vertical: 28°
	Repetition	104 (± 12) scans/sec (bidirectional)
	Contrast	≥20%
<b>Decoding depth &amp; Max. Resolution (1 mil = 0.0254 mm)</b>	Code 39	51mm -162mm (5mil);
	Code 128	63mm -127mm (5mil);
	PDF417	63mm -160mm (6.6mil);
	PDF417	45mm - 228mm (10mil);
	100%UPC	50mm -317mm (13mil);
	Code 39	50mm - 495mm (20mil);
	Data Matrix	38mm - 343mm (20mil);
QR Code	38mm -279mm (20mil).	
<b>Certificate</b>	CE, Rohs, FCC, IP65, IEC, EC/ EN60950, EC/EN62471	



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