

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 SPEC SHEET



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	5111	7.1 hours	
Scan Engine	☒ SE4107		☐ SE965		☐ N1
Barcode Type	1D	UPC/EAN/JAN, Code 128, Code 39, Code 93, Code 11, Interleaved 2 of 5 (ITF), Discrete 2 of 5 (DTF), Codabar (NW - 7), MSI, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, Inverse 1D, GS1 DataBar, Symbology-Specific Security Features, Composite Codes			
	2D	PDF417 ,MicroPDF417, Code 128 Emulation, Data Matrix, GS1 Data Matrix ,Data Matrix Inverse, Decode Data Matrix Mirror Images,Maxicode, QR Code,GS1 QR ,MicroQR ,Linked QR Mode ,Aztec ,Aztec Inverse ,Han Xin, Han Xin Inverse ,Grid Matrix ,Grid Matrix Inverse ,Grid Matrix Mirror			
Range	Normal-range 1.2in to 19.5in/3.0cm to 49.5cm				

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 107,639 lux (direct sunlight)	
Scanner performance	Sensor Type	1280 (horizontal) × 960 (vertical) pixels
	Light	Green LED(Aiming LED), 1 Warm-White LED(Illumination)
	Scanner Angle	±60°,±60°,±360° (skew, pitch, Roll)
	Field of view	Horizontal: 44.5° , Vertical: 33.5°
	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 Distance, typical	Far Distance, typical
	5 mil Code 39	2.4 in / 6.1 cm	9.5 in / 24.1 cm
	5 mil Code 128	2.8 in / 7.1 cm	9.0 in / 22.9 cm
	6.67 mil PDF 417	2.4 in / 6.1 cm	8.0 in / 20.3 cm
	10 mil DataMatrix	2.9 in / 7.4 cm	8.5 in / 21.6 cm
	100% UPCA	1.8 in / 4.6 cm	19.5 in / 49.5 cm
	15 mil QR	1.2 in / 3.0 cm	11.5 in / 29.2 cm
	20 mil QR	1.2 in / 3.0 cm	14.0 in / 35.6 cm



Shenzhen Effen Ltd

Tel: 86 0755 23229300 Fax: 86 0755 23229300

Email :info@effon.com Website : www.effon.com

Address : 1st Flr Bld 2, Jiu Jiu Youpin Cultural Creative Park , Longhua Shenzhen 518109 China