

EF02

Ring 2D Barcode Scanner



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 | Industrial Ring Barcode Reader | | | Electrical | Power: DC5V Typical: 300mA DC5V | |
| Model name | EF02 | | | CPU | 32bit ARM CPU | |
| Dimensions | 55.0×39.2×51.2 mm (L×W×H) | | | Data storage | 100KB for offline mode: 6000 15 bytes barcodes | |
| Weight | 60 grams | | | Working mode | Bluetooth mode, offline mode and RS232 mode(optional) | |
| Material | Polycarbonate housing with overmold(PC+TPU) | | | Communication | Class 3 Bluetooth HID, SPP, BLE(optional) with 30M distance, Support NFC pairing, RS232 cable(optional) | |
| Battery power | Capacity | 550mAh | | OS | IOS, Android, Windows, Mac | |
| | Standby | > 30 days | | | | |
| | Charge time | 2 hours | | | | |
| | Duration | Continuous trigger scanning interval | Decoding number | | | Working time |
| 1S | | 16800 | 4.7hours | | | |
| 5S | | 6400 | 8.9hours | | | |
| | 10S | 3700 | 10.3hours | | | |
| Scan Engine | <input checked="" type="checkbox"/> SE2707 | <input checked="" type="checkbox"/> SE965 | <input type="checkbox"/> N1 | Scan mode | Manual mode, Continuous, Host, Sense mode | |
| Barcode Type | 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, 1 2 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 | | | Ambient illumination | 0~107,639 lux |
| | 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 | | | | |
| Scanner performance | Sensor Type | 640 (horizontal) × 400 (vertical) pixels | | Decoding depth & Max. Resolution (1 mil = 0.0254 mm) | 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). | |
| | Light | 610nm LED(Aiming LED), 660nm red LED(Illumination) | | | | |
| | Scanner Angle | ±60°, ±60°, ±360° (skew, pitch, Roll) | | | | |
| | Field of View | Horizontal: 42° , Vertical: 28° | | | | |
| Environmental parameters | Drop resistance | Pass 200 times 1.5m drop test | | Certificate | CE, Rohs, FCC, IP65, IEC, EC/ EN60950, EC/EN62471 | |
| | 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) | | | | |



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