EF02
Ring 1D Barcode Scanner

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

Product feature:

1. Zebra Scan Engine

Excellent scan speed for almost 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
Model name	EF02
Dimensions	55.0×39.2×51.2 mm (L×W×H)
Weight	60 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
		1S	20000	5.6hours
		5S	7100	9.8hours
		10S	4600	12.8hours

Scan Engine	☐ SE2707	☑ SE965	☐ N1

Barcode Type	1D	UPC-A, UPC-E, UPC-E1, EAN-8/JAN-8, EAN-13/JAN-13, Bookland EAN, Code 128, GS1-128 (formerly UCC/EAN-128), ISBT 128, Code 39, Trioptic Code 39, Code 93, Code 11, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, Codabar, MSI

Laser Classification	CDRH Class II/IEC

Environmental parameters	Drop resistance	Pass 200 times 1.5m drop test
	Tumble Spec	2000 1.64ft / 1 m tumbles
	temperature	Operating : -10°C to 60°C
		Storage: -20°C to 60°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(optional) with 30M distance, Support NFC pairing, RS232 cable(optional)
OS	IOS, Android, Windows, Mac
Scan mode	Scan (Level), Scan (Pulse), Continuous, Blink, Host, Enhanced Aim
Ambient illumination	0～86,111 Lux

Scanner performance	Sensor Type	Laser Diode
	Light	650nm
	Scanner Angle	±40°,±45°,±35°(skew, pitch, Roll)
	Field of View	Horizontal: 53° ± 3° Vertical: 0.4°
	Illumination	1 Hyper Red 660nm LED
	Contrast	≥25%

Decoding depth & Max. Resolution (1 mil = 0.0254 mm)	Code 39	30mm - 266mm (5mil);
	Code 128	35mm - 177mm (5mil);
	Code 39	30mm - 419mm (7.5mil);
	Code 128	30mm -404mm (10mil);
	100%UPC	45mm -635mm (13mil);
	Code 128	50mm -660mm (15mil);
	Code 39	35mm -1168mm (20mil);
	Code 39	86mm -1778mm (55mil);
	Code 39	609mm - 4572mm (100mil);

Certificate	CE, Rohs, FCC, IP65, UL 60950-1; EN/IEC 60950-1; EN/IEC 60825-1