

CR40-2D

CDG

Bluetooth Ring Scanner

1D/2D



Features

- Ergonomic, lightweight, non-slip design, and support 180° rotation
- 380 mAh lithium polymer battery, 5 hours of sustainable use
- Read all common 1D/2D barcodes from paper and electronic screens
- Bluetooth is compatible with 4.0 standard, working range up to 30 meters
- Support offline storage for about 3000 barcodes
- Compatible with Windows, Android, iOS devices (such as computers, smartphones, tablets, etc.)



CR40-2D Technical Specifications

Working range	30 m(line of sight)	
Radio link	2.4 GHz, Bluetooth4.0, Class1.5	
Interface	Bluetooth: HID keyboard, SPP, BLE USB: USB HID keyboard, USB virtual COM	
Data storage	6 KB for out of range batch: 375 barcodes(each barcode is of 15 bytes) 52 KB for data batch mode: 3250 barcodes(each barcode is of 15 bytes)	
Keyboard layout	USA、Turkish F/Q、French、Italian、Spanish、Slovak、Denmark、Japanese、German	
Dimensions	Length×Width×Depth: 52.6 mm×36 mm×47 mm	
Case material	ABS+PC	
Weight	40 g	
Indicator	Beeper、LED、Vibrator	
Programming method	Manual(reading special barcode)	
Firmware upgrade	Online via USB interface	
Input voltage	4.75–5.25 V	
Operating current	sleeping: 14 mA, working: 46 mA(Bluetooth On), scanning: 460 mA(Bluetooth On)	
Battery	380 mAh Lithium-ion battery, Charge current 400mA, Fully charged in 1 hour	
Working time	Standby time: 48 hours, Operating time: 5 hours, based on 1 scan/5 seconds	
Scan engine	ME5800	
Light source	white LED, 2700K	
Target light source	green LED, wavelength 525 nm	
Image size	1280×800 pixels	
Field angle	Horizontal: 42° , vertical: 26.5°	
Scanning angle	±70° , ±72° , ±360° (Skew、Pitch、Roll)	
Minimum resolution	1D: 4mil Code 39, 2D: 6.7mil PDF417	
Decode capability	1D: UPC-A, UPC-E, EAN-13, EAN-8, ISBN/ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Codabar (NW7), Code 128, Code 93, Code 11 (USD-8), MSI/Plessey, UK/Plessey, UCC/EAN 128, China Post, China Finance, GS1 DataBar (formerly RSS) variants 2D: PDF417, MicroPDF417, QR code, DataMatrix, Han Xin Code, Aztec Code	
Decoding depth	4mil Code 128 (9 bytes)	85 – 145mm
	10mil Code 39 (3 bytes)	30 – 310mm
	13mil UPC (6 bytes)	25 – 330mm
	20mil Code 39 (1 bytes)	30 – 485mm
	6.7mil PDF417 (20 bytes)	75 – 190mm
	10mil QR (20 bytes)	48 – 190mm
	10mil DM (20 bytes)	50 – 185mm
	20mil QR (20 bytes)	20 – 390mm
Temperature	working: -15° C to 50° C(5° F to 122° F), storage: -20° C to 60° C(-4° F to 140° F)	
Humidity	5% to 95%(non-condensing)	
Safety	Laser safety: EN60825-1, Class 1 Electrical safety: EN60950-1 Protection class: IP50	EMC: EN55022, EN55024 Illumination: 0 to 100000LUX Environmental: RoHS compliant

