

RD-1200 Industrial Barcode Scanner



PRODUCT OVERVIEW

Model	RD1200
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D/2D
Scan Engine	CMOS
Sensor Resolution	CMOS (Global Shutter) 640×480
Illumination	White LED Red LED
Minimum Element Resolution	1D ≥ 4 mil; 2D ≥ 5 mil
Minimum Print Contrast	≥20%
Field of View	48°; H: 40°; V: 30°
Angular Tolerance	Rotation 360°, Elevation ±55°, Azimuth ±55° 48°; H: 40°; V: 30°
Depth of Field	EAN-13: 50 mm-220 mm (13 mil) Code 39: 40 mm-100 mm (5 mil, 10 bytes) QR Code: 25 mm-240 mm (20 mil, 16 bytes) Data Matrix: 50 mm-100 mm (10 mil, 20 bytes) PDF417: 30 mm-140 mm (6.67 mil, 7 bytes)
Supported Symbolologies	2D: QR Code, Data Matrix, PDF417, Aztec, MaxiCode, Han Xin Code 1D: EAN, UPC, Code 39, Code 93, Code 128, UCC/EAN 128, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, MSI-Plessey, GS1 DataBar, GS1 Composite Code, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, Matrix 2 of 5
Trigger Modes	Trigger mode, continuous scan mode, auto-sensing mode

Connectivity & Wireless	
Connectivity	Wired, Wireless, 2.4 GHz, Bluetooth
Host Interfaces	USB
Wireless Range	2.4 GHz: 300 m visible distance (with AP for extended transmission) Bluetooth: 20 m visible distance
Onboard Memory	64kb~2M

Power	
Battery Capacity	2600 mAh

Power	
Charge Time	Approximately 5 hours
Operating Voltage	DC 5V ±5% Operating 125 mA Standby 0.6µA

Physical Specifications	
Dimensions	180 × 65 × 95 mm Base: 118 × 75 × 74 mm 180 × 65 × 95 mm; Base: 118 × 75 × 74 mm
Weight	Scanner Approx. 232 g Base Approx. 257 g Scanner Approx. 232 g; Base Approx. 257 g
Enclosure Material	ABS + TPU
Cable Length	1.2 m
Stand Included	Yes
User Feedback	Buzzer, LED indicator, vibration

Environmental & Compliance	
Drop Resistance	3-meter free fall
Operating Temperature	-10°C to 50°C
Storage Temperature	-20°C to 70°C
Relative Humidity	5%-95% (non-condensing)
Ambient Light Immunity	0~100,000 lux
Certifications	CE, RoHS, FCC, and other certifications