

RD-1202W Wireless Industrial Barcode Scanner



PRODUCT OVERVIEW

Model	RD1202W
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D/2D
Scan Engine	CMOS
Sensor Resolution	13MP 1280 (H) × 1024 (V)
Illumination	High-intensity white LED ReddotLEDaiming 0~100000 lux
Aiming System	ReddotLEDaiming
Acquisition Rate	Maximum120 frames/s
Minimum Element Resolution	1D≥3 mil 2D≥5 mil
Minimum Print Contrast	≥20%(UPC/EAN 100%, PCS 90%)
Angular Tolerance	Skew±60°, Pitch±60°, Roll360° Horizontal 42° (H), Vertical 40° (V)
Depth of Field	QR (5 mil) 65 mm~105 mm Code39(3 mil) 45 mm~160 mm Code39(5 mil) 35 mm~250 mm EAN(13 mil) 40 mm~420 mm
Supported Symbolologies	2D Data Matrix, QR Code, Micro QR, PDF417, Micro PDF417, Aztec, MaxiCode, Han Xin Code 1D UPC A, UPC E, EAN 8, EAN 13, Code 128, Code 39, Code 93, Code 32, Code11, Codabar, Plessey, MSI, Interleaved 2 of 5 IATA 2 of 5, Matrix 2 of 5, Straight 2 of 5, Pharmacode, GS1 DataBar 14, GS1 DataBar Expanded, GS1 DataBar Limited, Composite Code A, Composite Code B, Composite Code C
Trigger Modes	Manual trigger, Continuous mode, Presentation mode, Serial-command trigger, Multi-code mode (duplicate-read suppression)

Connectivity & Wireless	
Connectivity	Wireless, 2.4 GHz, Bluetooth 2.4 GHz wireless+Bluetooth (supported versions 2.0, 3.0, 4.0, 4.2)
Host Interfaces	USB
Wireless Range	2.4 GHz: up to 300 m (with AP extended-range transmission) Bluetooth: up to 20 m
Onboard Memory	64kb~2M

Power	
Battery Capacity	2600 mAh
Operating Time	3 minutes to enter standby
Standby Time	3 minutes to enter standby
Charge Time	Approx. 5 hours 5V 2A
Operating Voltage	DC 5V±5% 260 mA 0.6µA

Physical Specifications	
Dimensions	Scanner: 180 × 65 × 95 mm Cradle: 118 mm × 75 × 74 mm
Weight	ScannerApprox. 232 g CradleApprox. 257 g
Enclosure Material	ABS+TPU
Color Options	Yellow, Gray
Cable Length	1.2 m
Stand Included	Yes
User Feedback	Buzzer, LED indicator, Vibration

Environmental & Compliance	
Drop Resistance	3 m free-fall drop
Operating Temperature	-10°C-50°C
Storage Temperature	-20°C-70°C
Relative Humidity	5%-95% (non-condensing)
Ambient Light Immunity	0~100000 lux
Certifications	CE, RoHS, FCC