



PRODUCT OVERVIEW

Model	RD1203L
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D/2D
Scan Engine	CMOS
Image Sensor	CMOS
Sensor Resolution	CMOS 2688 x 1520
Illumination	Aiming Green Laser 520 nm Illumination 2 Warm-White LED Max 107,639 lux
Aiming System	Aiming Green Laser 520 nm Illumination 2 Warm-White LED
Minimum Element Resolution	1D:≥3 mil 2D:≥5 mil
Minimum Print Contrast	≥30%
Angular Tolerance	46° (H) X 35° (V) Pitch±60°, Skew±60°, Roll360°
Depth of Field	3 mil Code 39 Near Distance: 2.7 in./6.9 cm Far Distance: 16.2 in./41.1 cm 5 mil Code 39 Near Distance: 2.5 in./6.4 cm Far Distance: 26.6 in./67.6 cm 5 mil PDF417 Near Distance: 2.8 in./7.1 cm Far Distance: 19.6 in./49.8 cm 6.7 mil PDF417 Near Distance: 2.6 in./6.6 cm Far Distance: 25.6 in./65.0 cm . 10 mil DataMatrix Near Distance: 2.2 in./5.6 cm Far Distance: 27.1 in./68.8 cm 100% UPC (13 mil) Far Distance: 71 in./180 cm 15 mil Code 128 Near Distance: 7.2 in./18.2 cm2 Far Distance: 72 in./182.9 cm
Supported Symbologies	2D PDF 417 Micro PDF 417 Data Matrix QR Code Micro QR Aztec MaxiCode Direct Part Mark 1D UPCA / UPC E EAN8 / EAN 13 Code 128 Code 39 Code 93 Code 32 Code 11 Codabar PlesseyMSI Interleaved 2 of 5 IATA2 of 5 Matrix2 of 5. Straight2 of 5 Pharmacode RSS-14 RSS-14 ExpandedRSS-14 Limited Composite Code -A Composite Code -B Composite Code -C
Trigger Modes	Manual trigger, presentation trigger

Connectivity & Wireless	
Connectivity	Wireless, 2.4 GHz, Bluetooth 2.4 GHz+Bluetooth
Host Interfaces	USB, Type-C USB (Standard) USB COM (virtualserial port) RS-232serial port (optional)
Wireless Range	extended-range transmission (open-field300 m)
Onboard Memory	64kb~2M

Power	
Battery Capacity	2600 mAh
Charge Time	4-6 hours
Operating Voltage	5V±5%

Physical Specifications	
Dimensions	Scanner: 180 × 65 × 95 mm Cradle: 118 mm × 75 × 74 mm
Weight	ScannerApprox. 232 g CradleApprox. 257 g
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	-30° Cto 60° C
Storage Temperature	-30°Cto 70° C
Relative Humidity	95%RH, 95% RH at 50°C (122°F), non-condensing
Certifications	CE, RoHS, FCC