

DS-8100 | 13.56 Mhz Wireless 2D RFID Barcode Scanner



PRODUCT OVERVIEW

Model	DS-8100
Product Type	Barcode Scanner with RFID Reader

Barcode - Scanning Performance	
Decode Capabilities	1D/2D/RFID
Scan Engine	CMOS
Image Sensor	CMOS
Sensor Resolution	CMOS 640×480,global exposure,light
Illumination	Illumination: White LED Aiming: Red LED 60000 lx
Minimum Element Resolution	1D ≥4 mil
Minimum Print Contrast	≥20%
Angular Tolerance	48° H:40° V:30° Roll 360°, Pitch ± 55°, Skew ± 55°
Depth of Field	EAN-13 50 mm-220 mm (13 mil) Code39 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) PDF 417 30 mm-140 mm (6.67 mil 7 bytes)
Supported Symbolologies	2D QR Code, Data Matrix, PDF417,Aztec, MaxiCode, Han Xin Code
Trigger Modes	Area-imaging

Barcode - Connectivity & Wireless	
Connectivity	2.4 GHz wireless, Bluetooth
Wireless Range	2.4 GHz: up to 100 m Bluetooth: up to 10 m
Onboard Memory	64kb

Barcode - Power	
Battery Capacity	2000 mAh
Charge Time	5-6 hours
Operating Voltage	DC5.0V±5%

Barcode - Physical Specifications	
Dimensions	Scanner: 190 × 62 × 80 mm Cradle: 111 × 75 × 40 mm
Color Options	Blue/White
Cable Length	1.2 m
Stand Included	Yes

Barcode - Environmental & Compliance	
Operating Temperature	-10°C-50°C
Storage Temperature	-20°C-70°C
Relative Humidity	5%-95% (non-condensing)
Ambient Light Immunity	60000 lx

RFID - RFID Performance	
RFID Band	HF / NFC
Operating Frequency	13.56 MHz
Air Interface Protocols	ISO/IEC 14443 Type A and Type B; ISO/IEC 15693
Supported Tag Types	Vicinity Card ISO/IEC 14443 A and B: Mifare, Sony FeliCA
HF Tag Types	ICODE SL2, LRI512, my-d, Tag-it HF-I Proprietary: ICode SLI, PicoTag (without anti-collision), Tag It HF ISO/IEC 14443 A and Bcompatible tags, all variants (Mifare, Sony FeliCA)
RFID Read Range	10–50 mm
Antenna	Integrated, 25 mm x 14 mm, balanced

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