

RIOTEC



LS8000 series

RFID Barcode Scanner



High performance RFID laser barcode scanner

With barcode and RFID functions in one scanner

With 100 scans/sec RIOTEC laser engine

One shot programming completes setting

Ergonomic design for easily handling

Cover with rubber for well protection

Protocol supports ISO15693 , ISO14443A /B

Support most TI & Philips Tags

CE FC RoHS 

RIOTEC CO., LTD.

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Scanners Specifications

Model Name	LS8000
Description	RFID Laser Barcode Scanner
Engine	RIOTEC

1D Barcode Performance Characteristics

• Light Source	650 nm Laser Diode
• Depth of Field (40 mils)	Up to 500 mm
• Scan Speed	100 scans/sec
• Best Resolution	0.1 mm (4 mils)
• Print Contrast	45% or more
• Scan Angle	38°
• Indicators	blue/red LED & beeper
• Interface	RS232, USB (RS232 data format)
• Symbologies	UPC/EAN/JAN, Code 39, Codabar, ITF 2/5, Code 128, Code 11, Code 93, MSI, Pharmancy ...

RFID Performance Characteristics

• RFID reading distance	Up to 70 mm
• RFID Protocol Support	ISO15693 & ISO14443A & ISO14443B
• RFID Tag Support	TI & Phillips most tag card and others in these protocol

Electrical Characteristics

• Input voltage	5 VDC \pm 0.5 V
• Current - operating	160 mA
• RFID Operation Frequency	13.56 MHz
• Regulatory	FCC Class A, CE, IEC60825 Class II

Physical Characteristics

• Dimension (L * W * H)	97x 70 X 175 mm
• Weight	150 g +/- 5 g (No cable)
• Material	Rubber & ABS plastic

User Environment

• Temperature-operation	0°C to 50°C (32°F to 122°F)
• Temperature-storage	-20°C to 60°C (-4°F to 140°F)
• Humidity-operation	10% to 85% relative humidity, non-condensing
• Humidity-storage	5% to 95% relative humidity, non-condensing
• Ambient Light	Sun light Up to 80000 Lux
• Shock	1.5 m drop onto concrete

Decode Zone (Based on Symbol's Standard Code 39 PCS=0.9 lable and 600 lux environment. There are +/- 1 cm tolerance)

• 4 mils	65 ~ 90 mm
• 5 mils	50 ~ 125 mm
• 13 mils	40 ~ 250 mm
• 20 mils	25 ~ 350 mm
• 40 mils	60 ~ 550 mm

Product specification is subject to change without notice.

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