



## Zebra RS2100 Wearable Scanner: Compact, robust and powerful

- ✓ Compact, lightweight design enables effortless scanning
- ✓ Free palms thanks to an innovative back of hand mount for a better grip
- ✓ Fast and reliable barcode scanning thanks to a powerful scan engine
- ✓ Long-life battery for up to 12,000 scans or 16 hours of operation
- ✓ Reliable connectivity through Bluetooth and gateway

## Features

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**Readable codes:** 1D, 2D, Post, OCR

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**Reading distance:** up to 90 cm

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**Feedback:** LED, Beeper

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**Connectivity:** Bluetooth

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**Battery:** 12,000 scans / 16 h

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**Protection:** IP54, fall-proof up to 1.8 m

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**Operating temperature:** 0 - 50 °C

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**Dimensions:** 52 x 35 x 14 mm

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**Weight:** 31 g

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## Optional accessories for Zebra RS2100

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**2-fold charging station**

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**Bluetooth-Gateway (USB)**

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**Communication gateway**

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**Hand mount**

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## Physical Characteristics

Dimensions	2.05 in. L x 1.40 in. W x 0.57 in. H 52 mm L x 35.5 mm W x 14.6 mm H
Weight	1.1 oz./31 g
Optical Resolution	1280 x 800 pixels
Roll	360°
Pitch	±60°
Skew	±60°
Aiming Element	SE4770: 655 nm Laser
Illumination Element	SE4770: 1 Hyper Red 660 nm LED
Field of View	SE4770: Horizontal: 48°, Vertical: 30°
Ambient Light Immunity (from total darkness)	Max 107,639 lux (direct sunlight)
Supported 1D Symbologies	Code 39, Code 128, Code 93, Codebar/NW7, Code 11, MSI, UPC/EAN, I 2 of 5, Korean 3 of 5, GSI DataBar, Base 32 (Italian Pharma)
Supported 2D Symbologies	PDF417, Micro PDF417, Composite Codes, TLC-39, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Chinese Sensible (Han Xin), Postal Codes
Supported OCR Symbologies	OCR-A, OCR-B
Power	480 mAh embedded Li-ion battery pack
Network Connections	WPAN (Bluetooth)
Scanner Support	SE4770 1D/2D standard range imaging engine
Pairing	NFC; Tap to Pair

## Performance Characteristics

User Environment	RoHS Directive 2011/65/EU; Amendment 2015/863 REACH SVHC 1907/2006
Operating Temperature	32° F to 122° F/0° C to 50° C
Storage Temperature	-40° F to 140° F/-40° C to 60° C
Humidity	5% - 95% non-condensing
Drop Specification	Multiple 6 ft./1.8 m drops to concrete over the operating temperature range
Tumble Specification	1,000 1.64 ft./0.5 m tumbles
Sealing	IEC 60529: IP54
Vibration	Sine 5-2000Hz, 4g peak, 1 hour per axis; Random 20-2000Hz, 6g RMS or 0.04g2/Hz, 1 hour per axis
Electrostatic Discharge (ESD)	±15kVdc air discharge; ±8kVdc contact discharge

## Wireless PAN

Bluetooth	Class 1 and 2, Bluetooth v4.0 with Bluetooth Low Energy (BLE); Supported profiles: Serial Port Profile (SPP), Human Interface Device Profile (HID), Service Discovery Application Profile (SDAP)
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## Decode Ranges (Typical Working Ranges)<sup>2</sup>

Symbology Resolution	Near/Far
Code 39: 3 mil	3.0 in. / 7.6 cm to 5.8 in. / 14.7 cm
Code 128: 5 mil	2.3 in. / 5.8 cm to 9.8 in. / 24.9 cm
PDF417: 5 mil	3.0 in. / 7.6 cm to 7.9 in. / 20.1 cm
PDF 417: 6.67 mil	2.5 in. / 6.3 cm to 10.1 in. / 25.7 cm
DataMatrix: 10 mil	2.1 in. / 5.3 cm to 11.0 in. / 27.8 cm
UPCA (100%)	1.6 in. / 4.1 cm to 24.9 in. / 63.2 cm
Code 128: 15 mil	2.4 in. / 6.1 cm to 27.8 in. / 70.6 cm
Code 39: 20 mil	1.6 in. / 4.1 cm to 36.1 in. / 91.7 cm
QR Code: 20 mil	1.1 in. / 2.8 cm to 17.5 in. / 44.5 cm

## Warranty

Subject to the terms of Zebra's hardware warranty statement, the RS2100 is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, go to [www.zebra.com/warranty](http://www.zebra.com/warranty)

## Recommended Services

Zebra OneCare Essential; Zebra OneCare Select

## Footnotes

1. Device Tracker requires a license.
2. Printing resolution, contrast and ambient light dependent. Specifications are subject to change without notice.

## Mobility DNA

For information on Mobility DNA, visit [www.zebra.com/mobilitydna](http://www.zebra.com/mobilitydna). Mobility DNA features vary by model; a support contract may be required. To learn what solutions are supported, visit: <https://developer.zebra.com/mobilitydna>

## User Interface

LED	2 RGB LEDs located at the back side of the device
Beeper	Up to 85 dBA @ 10 cm from the back of the device beeper port