

OVERVIEW

RS5100 Single-Finger Bluetooth Ring Scanner

The RS5100 sets a new standard for single-finger rugged ring scanners. When it comes to wearable devices, today's workers have high expectations for comfort and ease of use, while your customers require enterprise-class flexibility, ruggedness and manageability. The RS5100 delivers both. Workers get featherweight comfort in a modern design with a minimum footprint, maximum comfort and ease-of-use, plus reliable point-and-shoot scanning on every barcode. Your customers get a ring scanner that is at home in industrial environments like the warehouse and manufacturing floor, as well as customer-facing areas, with a rugged design that ensures a long lifecycle, scanning options to meet different needs and backroom accessories that reduce management time and cost.



Features & Benefits

TOP 3 CUSTOMER MESSAGES

1 Superior ergonomics and hygiene

- Practically weightless, just over two ounces and two cubic inches (about 1/2 the size of the legacy RS507X ring scanner)
- Top-mounted trigger enables low profile operation for easy picking in tight spots
- Bluetooth cordless hands-free scanning
- Ambidextrous — use on right or left hand
- Multiple wearing styles — finger, back of hand mount or lanyard¹
- Modular design — improve hygiene by purchasing a trigger for each worker

2 Unmatched versatility and flexibility

- Pair with virtually any Zebra enterprise-class Bluetooth-enabled mobile device
- Just tap for split-second pairing on NFC-enabled Zebra devices
- Choice of standard and extended¹ PowerPrecision+ batteries
- High performance scan engines (twice the scanning range of the legacy RS507X) with multiple aimer and LED illumination options
- Single trigger for gloved operation; double trigger to switch hands on the fly
- Compatible with non-Zebra Bluetooth enabled host devices (limited feature set)

3 Rugged design

- IP65 sealing — dust-tight and can handle hose-downs
- 6 ft./1.8 m drop and 1,000 1.64 ft./0.5 m tumble specifications
- Metal buckle and nylon straps that resist abrasion and wear, instead of hook-and-loop fasteners that wear out quickly
- Trigger rated for millions of actuations, instead of the competition's hundreds of thousands
- Handles highest levels of electrostatic discharge in this class — an issue in environments with concrete floors

ADDITIONAL DIFFERENTIATING FEATURES

Minimize downtime with maximum onsite replaceable parts

Just remove and replace the trigger assembly to get a new trigger button, new charging contacts and a new vibration engine — without a trip to the service depot

High capacity chargers save time and money

Charge 20 RS5100 ring scanners or 40 RS5100 batteries in a single cradle to simplify backroom buildout; for example, charge 100 RS5100 ring scanners with 5 multi-slot ShareCradles — instead of 100 USB charging cables

Best-in-class scanning performance

The SE4710 and SE4770 both offer Zebra's superior first-time every time scanning of even the most challenging barcodes; and twice the scanning range of legacy ring scanners; the SE4770 adds superior motion tolerance for intensive scanning applications

Simplify management with 123Scan

Instantly and automatically detects devices for staging, without scanning a barcode; patented configuration wizard makes initial configuration and ongoing software updates simple; detailed reports simplify asset management

What's New

Most ergonomic single-finger form factor

The RS5100 is Zebra's smallest and lightest Bluetooth ring scanner

Two scan engine choices

Lets customers select the engine that best meets their requirements for scanning performance and intensity, type of aimer (LED or laser) and type of illumination (white or red)

Bluetooth Class 1 and Class 2

Provides up to 300 ft./91 m of Bluetooth range

Two battery options

Standard and extended capacity PowerPrecision+ batteries; standard battery provides the lowest profile, 12 hours of power and up to 14,400 scans; extended battery is for longer/double shifts, use in cold environments, and for customers who want a longer battery lifecycle

PowerPrecision Console

Complimentary Mobility DNA tool that makes it easy to spot and discard aging batteries that can no longer hold a full charge, ensuring workers won't run out of power during a shift

Markets/Environments

- Warehousing/distribution
- Transportation and Logistics
- Manufacturing
- Retail front and back of store
- Route Accounting
- Hospitality
- Field Service

Competitive Highlights

Following are the top selling points for the four major competitive products. The information in this chart is obtained from publicly available information. The complete and most current competitive information is located in the RS5100 Selling Guide and Competitive Portal.

Honeywell 8670



Larger, heavier, no low profile. Nearly twice the weight; larger; requires additional piece of hardware (Bluetooth module); no top trigger for side of finger operation.

Only offers one 1D/2D scan engine.

The RS5100 offers two 1D/2D scan engines to meet scanning performance, aimer (LED or laser) and illumination (red or white) needs.

Inferior scan engine resolution. The 8670 offers 844 x 640, while the RS5100 offers 1280 x 960 — twice the resolution.

Inferior scan range. The RS5100 scans up to 50% farther than the 8670.

Inferior rugged design. The RS5100 has a higher sealing and drop specification, and offers a tumble specification. The RS5100 trigger can be pressed over two million times; Honeywell's rating isn't published.

Lower ESD rating. Doesn't provide the same protection against electrostatic discharge, crucial on concrete flooring.

Only one battery option. The RS5100 offers standard and extended batteries to meet different needs.

No battery metrics. No means to identify aging batteries that can't hold a full charge.

Inferior Bluetooth. Bluetooth 2.1 Class 2 offers a wireless range of 30 feet, while the RS5100 supports Bluetooth 4.0 Class 1 for a range of 300 feet.

Inferior charging accessories. Only offers a battery charger, requiring removal of batteries to charge. RS5100 offers high density device and battery chargers.

ProGlove Mark 2



No low profile. No top trigger.

Only offers one 1D/2D scan engine.

The RS5100 offers two 1D/2D scan engines to meet scanning performance, aimer (LED or laser) and illumination (red or white) needs.

Requires a glove. No flexibility in wearing styles. RS5100 can be worn with or without gloves, on a finger, back of hand or lanyard¹.

Inferior rugged design. The RS5100 has a higher sealing and drop spec, and offers a tumble spec and a much wider operating temperature range. The RS5100 trigger can be pressed over two million times vs. the Mark 2's 300,000.

Inferior battery features. The Mark 2's integrated non-removable battery requires the entire scanner to be charged between shifts. There's no need to take the RS5100 out of service for charging, the removable/swappable battery enables back-to-back shifts, day in and day out.

No battery metrics. No means to identify aging batteries that can't hold a full charge.

Not ambidextrous. Customers will need to buy right and left hand gloves for workers in multiple different sizes (small, medium, large). The RS5100 finger and back of hand mounts can be worn on either the right or left hand and accommodate a wide range of finger and hand sizes.

Inferior charging accessories. Only offers a 2-slot scanner charger, while the RS5100 offers high density device (4- and 20-slot) and battery (8- and 40-slot) chargers.

Unitech MS632



No low profile. No top trigger.

Only offers one 1D/2D scan engine.

The RS5100 offers two 1D/2D scan engines to meet scanning performance, aimer (LED or laser) and illumination (red or white) needs.

No flexible wearing styles. The RS5100 can be worn with or without gloves, on a finger, back of hand or lanyard¹.

Not rugged. The RS5100 has a sealing, drop and tumble spec where the MS632 has none, plus a much wider operating temperature range and a trigger that can be pressed over two million times (no actuation rating published for the MS632)

Inferior battery features. The MS632 has an integrated non-removable battery that requires the entire scanner to be charged between shifts. There's no need to take the RS5100 out of service for charging, the removable/swappable battery enables back-to-back shifts, day in and day out.

No battery metrics. No means to identify aging batteries that can't hold a full charge.

No instant pairing. The RS5100 can be paired with Zebra NFC-enabled mobile devices with a single, quick tap.

Inferior charging accessories. Only offers a 2-slot scanner charger, while the RS5100 offers high density device (4- and 20-slot) and battery (8- and 40-slot) chargers.

Hyco W26



No low profile. No top trigger.

1D scan engine only. The RS5100 offers two 1D/2D scan engines to meet scanning performance, aimer (LED or laser) and illumination (red or white) needs.

Inferior trigger and wearing styles. The W26 capacitive trigger can't be used with gloves. The RS5100 can be worn with or without gloves, on a finger, back of hand or lanyard¹.

Inferior scan range. The W26 scans about a third as far as the RS5100.

Fewer rugged specifications. The W26 has a higher sealing and drop spec., but the RS5100 adds a tumble spec., a much wider operating temperature range and a trigger that can be pressed over two million times (no actuation rating published for the W26).

Inferior battery features. The W26 integrated non-removable battery requires the entire scanner to be charged between shifts. There's no need to take the RS5100 out of service for charging, the removable/swappable battery enables back-to-back shifts, day in and day out.

No battery metrics. No means to identify aging batteries that can't hold a full charge.

No instant pairing. The RS5100 can be paired with Zebra NFC-enabled mobile devices with a single, quick tap.

Inferior charging accessories. Only offers a 1-slot scanner charger, while the RS5100 offers high density device (4- and 20-slot) and battery (8- and 40-slot) chargers.

Qualifying Questions

Q Are you considering deploying ring scanners to improve worker productivity?

A Wearable ring scanners boost productivity by enabling hands-free scanning. Workers no longer need to hold a handheld scanner or mobile computer to scan barcodes, freeing both hands to handle boxes, pick items to fulfill or pack orders, replenish store shelves and more. As a result, workers can complete more work orders per shift. But all ring scanners are not created equally. To obtain a maximum productivity increase, you need the right scanning features — and the RS5100 delivers. The advanced scanning features in the RS5100 provide reliable, first-time every time scanning of even the most challenging barcodes — including poorly printed, scratched, smudged or dirty. High performance scan engines and PRZM Intelligent Imaging let workers scan items as fast as they can press the scan trigger and twice the distance as they could before. The wide field of view and omni-directional scanning work together to provide easy point-and-shoot scanning — no need to adjust the distance between or align the scanner and the barcode.

Q Are you concerned about ring scanner maintenance and management?

A When it comes to maintaining and managing ring scanners, nobody provides better accessories and software tools than Zebra. The RS5100 offers numerous key features and innovations that simplify management for equipment managers and users. NFC tap-to-pair offers hassle-free, immediate Bluetooth pairing with Zebra Android terminals, such as the WT6000 and TC52. High capacity charge cradles and battery chargers minimize the space required to charge and store the RS5100 and batteries in your equipment room. Removable and swappable batteries provide around-the-clock power — no need to take the ring scanner out of service for recharging. The batteries and trigger assemblies are field replaceable, eliminating time consuming and costly trips to the service depot for replacements, lowering your long term TCO. And two complimentary software tools enable fast staging and easy management of batteries: 123Scan and PowerPrecision Console.

Q Do you view your ring scanners as a simple peripheral accessory, or do they form a key part of a value-added solution?

A While the RS5100 can pair with practically any Bluetooth-enabled device, pairing to host Zebra devices such as the WT6000 and TC52 provides access to a full feature set that provides advanced functionality and makes the RS5100 so much more than just an accessory. The metrics from the PowerPrecision+ batteries are visible in PowerPrecision Console (a free Mobility DNA application), making it easy to spot and discard aging batteries that can no longer hold a full charge. And DataWedge makes it easy to send barcode data to your applications right out of the box, no coding required — including the ability to provide customized scanning feedback through any combination of LED lights, a beeper or haptic vibration.

Sales/Reference Materials

The Source (for internal Zebra only):
zebra.gosavo.com

RS5100 Product Page:
www.zebra.com/rs5100

Partner Gateway:
<https://partnerportal.zebra.com>

Services:
www.zebra.com/zebraonecare

Support Pages:
www.zebra.com/support

Mobility DNA:
www.zebra.com/mobilitydna

Accessories

The RS500 accessory family provides benefits for everyone. For your customers, backroom charging is simplified and the cost of building out the backroom is reduced. Workers get an array of wearing styles to ensure comfort. And the availability of these high value-add accessories helps increase the size of your sales, as well as your revenue and margins.

Complete an RS5100 solution sale with:

- Device chargers: 4-slot and 20-slot
- Spare batteries: standard 480mAh or extended 735 mAh¹
- Battery chargers: 8-slot and 40-slot
- Alternate mounting: back-of-hand¹
- Lanyard scanner¹

In addition, your customers may need additional or new Zebra host mobile devices, such as the TC52 handheld mobile computer for customer-facing areas and the WT6000 wearable computer for warehouses, manufacturing plants and distribution centers.

Objection Handling

OPERATIONS MANAGER	OPERATIONS MANAGER	OPERATIONS MANAGER
<p>“Bluetooth ring scanners are heavy and uncomfortable, and my workers don’t like wearing them.”</p>	<p>“I need a ring scanner that can withstand the demanding environments in my warehouse and on the manufacturing floor.”</p>	<p>“My 1D corded ring scanners work fine. Why would I want to upgrade to a wireless ring scanner?”</p>
<p>RESPONSE:</p> <p>The RS5100 is designed from the ground up to deliver the extraordinary comfort required to ensure rapid adoption by virtually any worker that wears it. Now, you can get the productivity gains that hands free scanning delivers in your customer-facing areas such as the retail front of store, as well as industrial non-customer facing areas, such as the warehouse.</p> <ul style="list-style-type: none"> • Small and lightweight, just over two ounces and two cubic inches — about half the size and weight of the legacy RS507X ring scanner. • Single-finger modern design is at home from the warehouse to the retail sales floor. • Swivels to the side of the finger for the lowest possible profile with zero protrusion above finger level — making it easy to pick items in tight spaces. • A variety of wearing styles ensures comfort for every worker. Options include a back-of-hand mount and a lanyard option¹. 	<p>The RS5100 offers the most rugged specifications in its class:</p> <ul style="list-style-type: none"> • IP65 environmental sealing: dust tight and can handle a hose down with jetting water. • Drop-tested: 6 ft./1.8 m drops to concrete across the full operating temperature range (competitive products are typically tested only at room temperature, not when housing components have expanded due to heat or become brittle due to cold). • Tumble tested: 1,000 1.65 ft./0.5 m tumbles, simulating the many small bumps that a finger mounted scanner will encounter. • Highest rating for electrostatic discharge: provides added protection against the static electricity that can build up and fry sensitive electronics in environments with workers on concrete floors. • A trigger than can be pressed 2 million times without wearing out. 	<p>There are a number of benefits associated with upgrading from 1D corded to 1D/2D wireless ring scanners:</p> <ul style="list-style-type: none"> • 2D barcodes are now prevalent in the supply chain, embraced for the additional information they can carry that improves consumer safety and inventory management, such as lot number. If you can’t scan the new barcodes, workers will need to manually enter exceptions into the host mobile device, increasing opportunities for errors that can lead to stockouts, the delivery of the wrong items and more. • Omni-directional scanning: no need to align scanner and barcode, unlike a 1D-only scanner; provides a major productivity boost. • No cords: There are no cords to inadvertently catch on objects in the work environment and accidentally disengage.

¹ Extended battery, back of hand and lanyard mounts available Q1 2020



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What’s in the Box?

- RS5100 ring scanner
- Trigger assembly
- One standard battery

Services

Constant peak performance and device uptime. That’s the upside of protecting your customers’ investment with Zebra OneCare™. Reduce device vulnerabilities, eliminate unexpected disruptions and unbudgeted repair expenses. Zebra Support Services protect the investment in the devices that run your customers’ businesses by maximizing predictable performance and uptime to support critical operations and improve business outcomes. Integrated cloud-based device visibility with VisibilityIQ™ OneCare™ provides insight into contract information, repair data, tech support cases and more helping to maximize ROI, performance and high availability of critical edge devices.

Zebra Signature Services offer new ways to address changing business priorities and provide you the expertise to speed up project execution and implementation of edge-data solutions to run your business more productively while delivering a faster return on investment.