



# RFID Portfolio

More Transformation. No Complication.





## Full potential. As promised.

While the promise of RAIN RFID has been enticing, it wasn't always practical. Now, the long-awaited potential of consistent and reliable RFID is here and within reach. Get robust gains without the pains.

Leverage Zebra's decades of expertise, design thinking, and software development to achieve maximum RAIN RFID efficiency, while minimizing the pains of multi-vendor solutions. Unlike other players, Zebra gives you the industry's broadest, field-proven RAIN RFID portfolio for unmatched accuracy and interoperability. Connect it all and create a platform that elevates every system, device, tag, and worker.

Now you're in command, but not on your own. With an ecosystem of support and partners to guide you, the way forward is clear.



# Relentless Performance in Any Environment

**Stop searching for inventory and assets.** With Zebra RFID solutions, you will automatically know the location of business-critical items—whether you're tracking merchandise in your stores, medication in your hospitals or goods flowing in and out of your warehouses. Made for your environment, application and conditions, Zebra RFID solutions are designed to make you more effective.

## Transportation and Logistics



Deliver non-stop service from the first mile to the last

- Employee safety
- Fleet management
- Inventory management
- Supply chain management
- Asset tracking
- Sortation/handling/ service quality
- Mobile dispatch
- Terminal operations
- Port & yard management
- Below the wing services

## Manufacturing



Increase productivity from the plant floor to the finished product

- Materials management
- Item-level inventory visibility
- Work-in-process (WIP)
- Vehicle and yard management
- Asset utilization/tracking and analysis
- Shipment validation
- Supply chain tracking/management
- DSD route accounting/field service
- Fulfillment/replenishment
- Tool tracking
- Theft prevention



## Healthcare

Strengthen patient safety from admissions to discharge

- Equipment/asset tracking
- Item level inventory visibility
- Supply chain management
- Patient/people monitoring
- Staff utilization
- Document/data file management
- IT asset tracking
- Specimen tracking



## Retail and Hospitality

Give customers an experience that keeps them coming back

- Item level inventory management
- Store replenishment
- Omni-channel fulfillment
- Point of sale
- Interactive fitting rooms
- Loss prevention
- Customer experience
- Brand authentication



## Warehouse

Manage inventory across your supply chain

- Warehouse and yard management
- Pick and putaway
- EDI transactions
- RFID aided forklifts



## Field Mobility

Empower your team wherever the job takes them

- Mobile dispatch
- Work order management
- Asset tracking
- Maintenance/inspection
- Meter reading
- Vegetation management



# Fixed Readers, Antennas, Setup Wizard and Software

Next level inventory visibility

Make sure the right asset is in the right place at the right time with Zebra's complete RAIN RFID portfolio—the deepest and widest in the industry.

## Fixed RAIN RFID Readers and Infrastructure

Achieve maximum asset visibility across your enterprise. Get even more insight with Zebra's RFID Array Reader which provides visibility into the pinpoint location of all of your tagged assets, including if they are on the move.



### ATR7000 RTLS Reader

Redefine operational efficiency with superior, affordable real-time locating



### FX9600 Fixed RFID Reader

Top of the line performance for high-volume and rugged environments



### FX7500 Fixed RFID Reader

The small enterprise reader, big on speed and accuracy



### ST5500 Transition RFID Reader

Know what's entering and exiting your facility

## RFID Reader Software

You don't have to be an expert to set up and optimize Zebra RAIN RFID readers. Our tools help you every step of the way—easily configure and deploy your RFID readers with no need for complication or delays.



### 123RFID Desktop

Make RFID deployments as easy as 1, 2, 3

Our free, intuitive wizard presents easy-to-understand options in drop-down menus, radio buttons and sliders. Use built-in help and how-to-videos to find answers to your questions.



### 123RFID Mobile

Get RFID deployment mobility

Leverage 123RFID mobility for more flexible deployment and easier access to our free, intuitive wizard.



### FX Connect

Lower IT burden, faster RFID implementation

Quickly and easily configure and deploy FX Series fixed RFID readers without the need for API's or application development.



### Network Connect

Seamless, secure connections to programmable logic controllers (PLC's)

Connect Zebra FX9600 Fixed RFID Readers to the most widely used Industrial Ethernet protocols and other standard networks without additional conversion hardware

|               | Fixed RFID Readers |        |        |        |
|---------------|--------------------|--------|--------|--------|
|               | ATR7000            | FX9600 | FX7500 | ST5500 |
| Manufacturing | •                  | •      |        | •      |
| T&L           | •                  | •      |        |        |
| Retail        |                    | •      | •      | •      |
| Healthcare    |                    | •      | •      |        |
| Warehouse     | •                  | •      |        |        |
| Hospitality   |                    |        | •      |        |

## RAIN RFID Antennas

Quickly and accurately track inventory and assets. Our robust antennas offer the high performance and range needed for high traffic and precision.



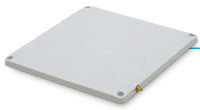
### AN440 RFID Antenna

Large area coverage in any environment



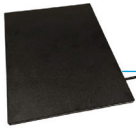
### AN480 RFID Antenna

Global flexibility for all enterprises



### AN510 Ultra-Rugged RFID Antenna

Ultra-rugged and low profile for use indoors and outdoors



### AN610 Slimline RFID Antenna

Sleek. Discreet. Rugged.



### AN620 Slimline RFID Antenna

Slimline, ultra-low profile



### AN720 RFID Antenna

Compact indoor/outdoor antenna for customer-facing environments



### SR5502 Transition Point RFID Antenna

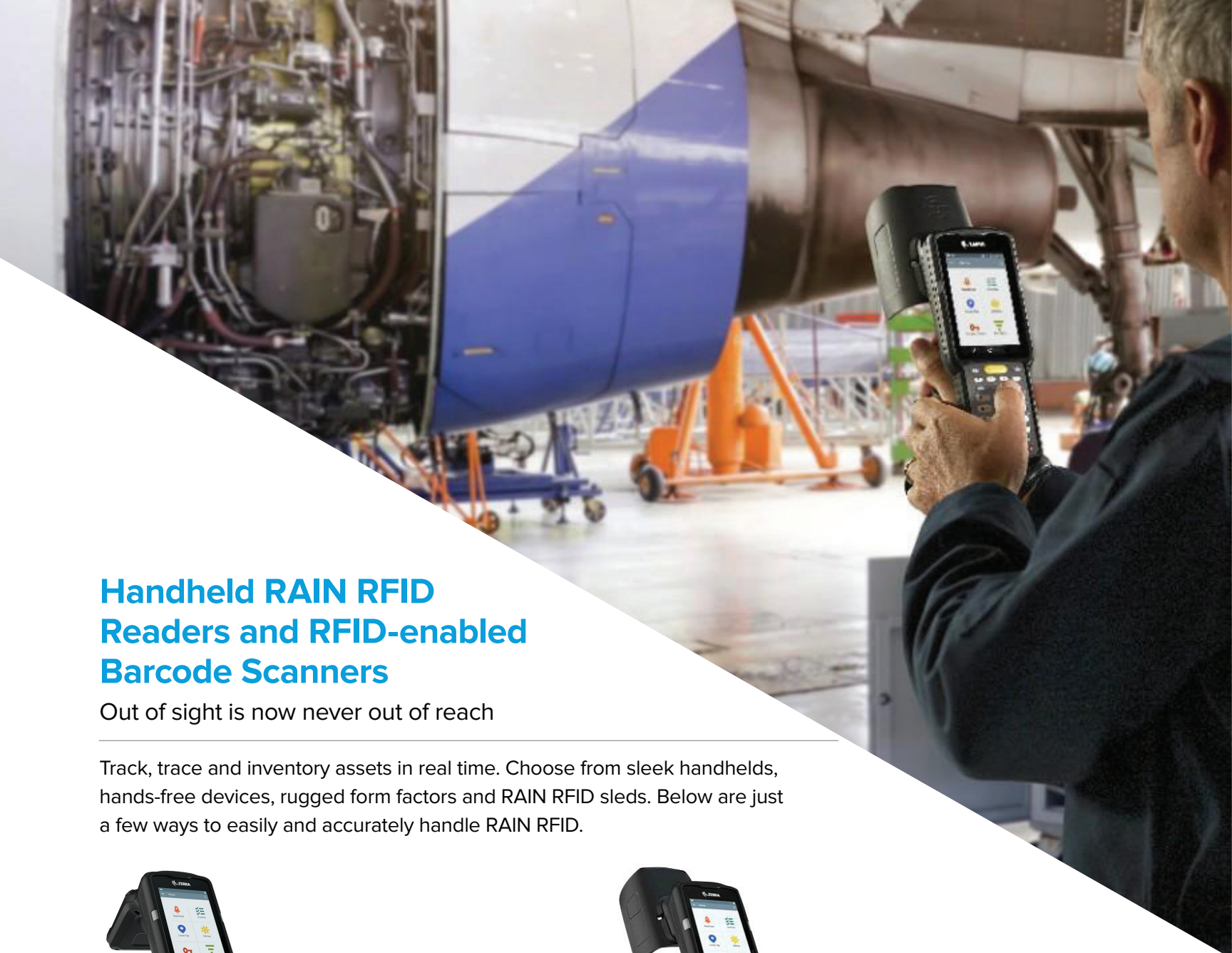
Track inventory in the backroom from arrival to departure



### SP5504 Point of Sale RFID Antenna

Track inventory in your POS lanes or will-call areas

|                | RFID Antennas |       |       |       |       |       |        |        |
|----------------|---------------|-------|-------|-------|-------|-------|--------|--------|
|                | AN440         | AN480 | AN510 | AN610 | AN620 | AN720 | SR5502 | SP5504 |
| Manufacturing  | •             | •     | •     | •     | •     | •     | •      | •      |
| T&L            | •             | •     | •     |       |       | •     |        |        |
| Retail         |               |       | •     | •     | •     | •     | •      | •      |
| Warehouse      | •             | •     | •     | •     | •     | •     | •      | •      |
| Field Mobility | •             | •     | •     |       |       |       |        |        |



## Handheld RAIN RFID Readers and RFID-enabled Barcode Scanners

Out of sight is now never out of reach

Track, trace and inventory assets in real time. Choose from sleek handhelds, hands-free devices, rugged form factors and RAIN RFID sleds. Below are just a few ways to easily and accurately handle RAIN RFID.



### MC3330R Integrated UHF RFID Reader

Comfort, speed and ease of use RFID read performance

Bring a new level of comfort, speed, ease of use and accuracy to your RFID applications. Superior RFID read performance and receiver sensitivity enable lightning fast and accurate capture of even the most challenging RFID tags. Built for maximum uptime with large touchscreen and physical keypad, yet lightweight with the right ergonomics for all-day comfort.



### MC3390R Integrated Long-Range UHF RFID Reader

Built for your semi-industrial environments

Access a new level of efficiency and accuracy to inventory management, order fulfillment, cross-docking and more. The integrated long-range antenna supports a best-in-class RFID read range, coupled with Zebra's high-performance ASIC radio technology to deliver higher throughput, so inventory counts can be accomplished more quickly and accurately.



### RFD8500 Bluetooth RFID Sled

Turn your computer into an RFID reader

Pair the Bluetooth-enabled RFD8500 Sled with Zebra's TC51/52/56/57/TC52x/TC57x, an Android or iOS smartphone or a laptop or desktop computer, and you're ready to read RFID tags. The RFD8500 is device- and OS-agnostic.



### RFD2000 RFID Sled

Turn Zebra's TC20/TC25 into an RFID reader

Add UHF RFID tag reading, writing and locationing capabilities to the RFID-ready version of Zebra's TC20/TC25 touch mobile computer. Compact and lightweight, the sled delivers all day comfort and sleek styling for design-conscious stores.



### DS9908R RFID Scanner

Bring RFID to your POS or Lab

Close the supply chain loop. Read RFID-tagged merchandise at the point of sale for up-to-the minute inventory tracking, or RFID tags on laboratory assets and specimen samples for improved laboratory management. The DS9908R is a hybrid handheld / hands-free scanner that offers best-of-breed barcode scanning with RFID reading capabilities in a single platform.

Handheld RFID Readers and RFID-Enabled Barcode Scanners

|               | MC3330xR<br>RFID Reader | MC3330R<br>RFID Reader | MC3390xR<br>RFID Reader | MC3390R<br>RFID Reader | RFD8500<br>Bluetooth<br>RFID Sled | RFD2000<br>RFID Sled | DS9908R<br>RFID/1D/2D<br>Reader |
|---------------|-------------------------|------------------------|-------------------------|------------------------|-----------------------------------|----------------------|---------------------------------|
| Manufacturing | •                       | •                      | •                       | •                      | •                                 |                      | •                               |
| T&L           | •                       | •                      | •                       | •                      |                                   |                      |                                 |
| Retail        | •                       | •                      |                         |                        | •                                 | •                    | •                               |
| Healthcare    |                         |                        |                         |                        | •                                 |                      | •                               |
| Warehouse     | •                       | •                      |                         | •                      |                                   |                      |                                 |
| Hospitality   |                         |                        |                         |                        | •                                 | •                    | •                               |



## RAIN RFID Printer Encoders

Accurate and scalable RFID encoding

Your solution depends on reliable data. Zebra offers the industry's widest range of printers that accurately encode RAIN RFID labels, tags and cards where and when you need them. Build your solution on RFID data you can trust.

|               | RFID Printer Encoders                                      |                                 |  |                            |
|---------------|--|---------------------------------|--|----------------------------|
|               | ZT600, ZT400<br>Industrial Printers,<br>ZE500 Print Engine | ZQ630, ZQ520<br>Mobile printers | ZXP Series 7,<br>ZC300 Series<br>Card Printers | ZD500R<br>Desktop Printers |
| Manufacturing | •  | •                               |  |                            |
| T&L           | •  | •                               |  | •                          |
| Retail        | •  | •                               | •  | •                          |
| Healthcare    |  | •                               | •  | •                          |
| Warehouse     | •  | •                               |  | •                          |
| Hospitality   |  |                                 | •  |                            |





## ZT600, ZT400 Industrial Printers and ZE500 Print Engine

Intelligent and industrial brawn

These printers and innovative OEM print engine keep your operations running 24/7 in the harshest environments and the most demanding RFID applications.



## ZQ500 Series and ZQ630 RFID Mobile Printers

For the rough and tumble world

Our premium mobile printers are built to withstand repeated drops, spills and shocks. Yet, are friendly to workers, and easy for IT to integrate and manage.



## ZXP Series 7 and ZC300 Series Card Printers

Capabilities with credentials

Whether you need high performance or compact with ground-breaking simplicity, Zebra UHF card printers deliver.



## ZD500R Desktop Printer

Bring RFID printing to your desktop

Compact and easy to use, this printer delivers intelligence and advanced features for convenient, simple operation.



# Certified Supplies

The perfect match for your RAIN RFID printer

Using inlays from leading manufacturers, as well as our own Zebra-branded inlays, Zebra offers 50+ labels in stock. We can also create a custom solution for you—with just about any thermal material and inlay to meet the requirements of your unique application. Designed and tested with Zebra printers and RAIN RFID readers, our Certified Supplies ensure high performance.

### General purpose

- Paper and synthetic labels, designed for use with standard applications
- Best for non-metallic surfaces, plastics or corrugate
- ZBR2000 Zebra-branded inlay for longer read ranges and faster tag acquisition

### Advanced

- Paper and synthetic labels that offer a higher level of readability performance than our general purpose labels
- ZBR4000, ZBR4001 and ZBR4003 Zebra-branded advanced UHF RFID inlays offer a higher level of performance than general purpose inlays

### Specialty

- Designed for asset tagging on metal surfaces or for liquid-filled containers



## Exceptionally Consistent. Consistently Exceptional.

One of the largest offerings of in-stock and ready-to-ship RAIN RFID labels



### Outstanding Performance

The latest chip technology and proprietary inlays provide enhanced performance



### Reliable Consistency

The same label material used from order to order results in consistent print and adhesive performance every time



### RFID Solution Expertise

As the developer of RFID readers and printers, Zebra can recommend the labeling solution that optimizes the performance of each RFID solution



### Testing Capabilities

With our Voyantic test equipment, we can identify the optimal inlay for the surface being labeled to ensure maximum read ranges



### In-House Manufacturing Capabilities

Zebra's state of the art presses and RFID manufacturing equipment enables us to meet your RFID supplies need quickly



### The Right Solution for Your Use Case

With over 300 certified combinations of direct thermal and thermal transfer materials and access to inlays from the leading providers, we can deliver the optimal solution for the surface to maximize read performance



## Z-Band Direct Thermal RFID Wristbands

- Z-Band Direct RFID SR in our classic shape is optimal for use when in close proximity to the reader
- Z-Band UltraSoft RFID LR features one of the softest materials in the market. The flag design and special inlay enables longer read ranges



## RFID Cards

- One of the world's first passive RFID cards to provide a read range of up to 50 feet
- 128 bits of EPC memory
- 512 bits of user memory
- 96 bits of read-only TID memory



## Zebra-Branded Inlays

Pre-tested with Zebra readers and printers for industry-leading performance

### General Purpose

Offers market-leading performance within most standard applications utilizing a 4" wide label.



#### ZBR2000 General Purpose Inlay

- Ultra-high sensitivity: read range up to 17m in free space

### Advanced

These advanced inlays for use on 4-inch wide labels offer a higher level of read performance than our general-purpose inlay for use where longer ranges are required. Provides efficient performance when placed on or near challenging materials, with omni-directional readability from almost any angle.



#### ZBR4000 Advanced Inlay

- Ultra-high sensitivity: read range up to 20m in free space



#### ZBR4001 Advanced High-Memory Inlay

- Ultra-high sensitivity: read range up to 12m in free space
- Memory: EPC memory: 448-bit; User memory: 1000-bit



#### ZBR4003 Advanced High-Memory Inlay

- Ultra-high sensitivity: read range up to 14m in free space
- Memory: EPC memory: 496-bit; User memory: 688-bit

# Global Services

Maximize uptime and ROI

Whether it's understanding operational utilization, maximizing uptime, reducing device vulnerabilities or unlocking the data of your edge devices, Zebra provides expertise every step of the way.

## Zebra Signature Services

Data insights from the technologies at the edge of your network can open up a world of new commercial opportunities. But without the right skills or resources, you could miss out on the full benefits. **Zebra Signature Services accelerate your ability to unlock intelligence** from your data, so you can run your business more productively.

## RFID Design

New use cases for RAIN RFID emerge every day for Retail, Healthcare, Manufacturing, and Transportation and Logistics, yet the productivity and efficiency gains are easily lost in poor design or incomplete integration. RFID Design is a Signature Service that ensures a rapid RFID deployment to deliver the business performance improvements you expect. Improve the success of any RFID project by including a RFID Operational Workshop, RFID Site Survey, RFID Design Workshop, an install assessment, as well as commissioning and go-live support.

## Zebra OneCare™ Support Services

Constant, peak performance and device uptime. That's the upside of protecting your Zebra investment while also reducing device vulnerabilities with our support services. Eliminate the unexpected disruptions and unbudgeted repair expenses and so much more. Whether you need comprehensive coverage, advanced device replacement, on-site support, assistance with technical issues, software support, or cloud-based visibility into your contracts, repair data, tech support cases, there's a Zebra OneCare Support Service that's right for you.\*

And you can optimize and customize your support services to fit your specific business-critical needs with additional flexible service enhancements that provide expedited repair and shipping, battery maintenance, device commissioning and configuration, managed services and more.

## Zebra VisibilityIQ™ Services

Reduce device vulnerabilities and exposure so you don't get caught off-guard by device downtime, device health or battery failures. Zebra's visibility services provide cloud-based insights into your devices to tell you how your devices are performing, so you can decide what next steps you can take to improve your operations and maximize productivity.

**Zebra's VisibilityIQ™** gives you data-driven, actionable insights when and how you need them. Get a clear view into how your devices are performing and know what next steps can push up productivity and drive down costs.

### VisibilityIQ™ Foresight

Go beyond your Mobile Device Management (MDM) application and get a complete picture of the operational aspects of your devices from a single dashboard view.

### VisibilityIQ™ DNA

Peer inside your hardware for answers to key DNA efficiency.

### VisibilityIQ™ OneCare®™

Included in all Zebra OneCare support agreements for Zebra mobile computers and scanners. View status of device repairs, technical issues, contracts, case reports and software, and LifeGuard™ security status visibility.\*\*

\* Repair turn-around time may differ by country and by Zebra product. \*\* VisibilityIQ OneCare available for mobile computers and scanners only.

Gain edge-to-edge visibility with wall-to-wall choices, visit [www.zebra.com/RFID](http://www.zebra.com/RFID)



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