THE AVANCIR ADVANTAGE

Welcome to the ready-to-deploy RFID software platform.

Inspired by SaaS tools we use in our daily professional lives, we created an off-the-shelf, configurable RFID software platform that can handle the complexities of today while being flexible enough to exceed the expectations of tomorrow.

AVANCIR SIMPLIFIES COMPLEX USE CASES

- Asset Tracking
- Inventory Management
- RTI
- Order/Shipment Verification
- Quality Assurance
- WIP

WHY IS AVANCIR BETTER THAN OTHER RFID SOFTWARE?

Avancir connects and digitizes all your RFID readers, RFID tags, barcodes, manual entries, and other data sources to make your data meaningful.

READY TO WORK FROM DAY ONE

As soon as you sign up, hit the ground running to:

- Immediately ingest data
- Quickly set parameters
- Start outlining workflows
- Discover process solutions
- Configure and customize
HOW AVANCIR WORKS

Avancir keeps track of everything that matters as your business grows, then gives your employees meaningful data to help them do the jobs you hired them to do.

READY TO DEPLOY ON DAY ONE
After a single-day setup, easily pull asset data through an integration or capture existing barcode and RFID data to move your business forward in four weeks or less.

EASY CUSTOM CONFIGURATION
Create custom fields, statuses, locations, and dashboards for your use cases with cross-device functionality via desktop, mobile devices and RFID readers.

SEAMLESS SYSTEM INTEGRATION
Our open API and webhook notifications support secure data exchange with other systems via lightweight automations or a managed integration platform.

OUT-OF-THE-BOX SUPPORT
Start improving asset tracking processes with on-demand documentation within the platform and hands-on support information.

THE AVANCIR ADVANTAGE

Avancir brings the digital and physical worlds together to track assets and processes that are critical to your business — today and tomorrow.

A TRUE RFID SOLUTION
Backed by AtlasRFIDStore.com, Avancir works with any UHF RFID tags and devices.

REGULATORY PEACE OF MIND
From federal agencies to big-box retailers, we’ve got your RFID requirements covered.

ADAPTS AS YOU Evolve
Avancir is compatible with multiple IoT devices and scales to your changing use cases.

START BUILDING YOUR AVANCIR RFID SOLUTION

Contact us today for a free demo to learn how you can start seeing value from your data in less than 4 weeks with Avancir.
MC3330xR Integrated UHF RFID Reader

Best-in-class standard-range RFID read performance with a powerful Android platform

Introducing the next evolution of our successful MC3300R family of integrated UHF/RAIN RFID readers. The MC3330xR is packed with features to bring a new level of efficiency and accuracy to inventory and asset management applications. You get the same proven lightweight ergonomic design and superior RFID read performance, now with Zebra’s latest, most powerful and secure Android architecture. The ultra-powerful processor, integrated NFC reader and 35% larger capacity battery boost task speed and ease of use. Zebra’s signature rugged design ensures maximum uptime. And you can create intuitive Android applications that use the MC3330xR’s powerful computing platform, large touchscreen and physical keypad. The MC3330xR — the next evolution in handheld UHF/RAIN RFID readers.

Simplify full-fleet rollouts with EMDK and RFID SDK for Xamarin
Xamarin’s cross-development platform lets developers use their C# skills and tools to develop fast, beautiful apps for Android devices. With Zebra’s EMDK and RFID SDK for Xamarin, it’s easy to incorporate all the advanced enterprise features of the MC3330xR into your Xamarin apps. Our EMDK simplifies enterprise application design for faster, more cost-effective development cycles, while our RFID SDK for Xamarin allows you to use RFID apps you’ve developed for other Zebra devices on the MC3330xR.

Unparalleled data capture performance and flexibility
Extraordinary RFID performance — flexible, fast and accurate ideal for standard-range RFID applications, the MC3330xR can capture RFID tags up to 19.7 feet/6 m away. Its integrated circular antenna delivers extraordinary reliability, no matter the orientation of the tag. Workers can accurately and rapidly capture RFID tags on even the most challenging items — from a shelf of clothing in a retail stock room to a box of files in the office — in half the time as the next leading competitor.

Superior sensitivity for greater accuracy
Zebra’s high-performance ASIC radio technology provides superior sensitivity and greater read accuracy, delivering a read rate that is more than 25% faster and over 40% more accurate than other devices in this class.

Low TCO with flexible deployment tools
Simplify application development with a common platform
If you are using other Zebra handheld RFID readers across your supply chain, you can streamline application development with a single software development kit. There’s no need to learn a different app development framework or rewrite an application — use the same SDK for the MC3330xR, MC3390xR, MC3330R, MC3390R, RFID2000 and RFID8500 RFID Sled.

Bring a new level of efficiency and accuracy to inventory and asset management applications with the MC3330xR.
Integrated enterprise-class 1D/2D barcode scanning
Workers don’t need to juggle different devices to capture RFID tags and barcodes — the MC3300XR can capture it all. Zebra’s exclusive PRZM Intelligent Imaging technology enables instant barcode capture on even the most challenging barcodes, including poorly printed, damaged, crinkled, faded, truncated and low-contrast barcodes. And the expanded working range and wide field of view allow workers to scan barcodes nearer and farther away.

Easy-to-use locating technology
The MC3300XR can help pinpoint the location of a specific item. Item Finder mode uses audible and visual cues to quickly guide workers to the location of any desired item.

Capture multiple barcodes and entire forms with a single scan
Do you need to capture multiple barcodes on one or more labels on an item? The MC3300XR makes it easy. Workers can easily capture all the right barcodes on numerous labels, all with one press of the scan trigger.

Powerful platform for demanding enterprise applications
More rugged and ready for all-day business
The MC3300XR offers a 5 ft/1.5 m drop specification and with IP54 sealing, it can handle splashing liquid and dust. The Corning® Gorilla® Glass touch panel and imager window bring maximum scratch-resistance and shatter-proofing to two of the most vulnerable device features. The result? Workers can drop the MC3300XR on concrete and use it in dusty areas — and still expect reliable operation.

Power full shifts with the class-leading 7000mAh battery
The new 7000mAh extended capacity battery is standard with every MC3300XR. More power means fewer battery changes, easier battery management and a smaller battery pool. And Zebra’s PowerPrecision+ technology provides a full suite of metrics that make it easy to identify, remove and replace aging batteries.

Lightweight and streamlined design
The MC3300XR is one of the lightest UHF RFID readers in its class and is built for easy one-handed use, whether workers are right- or left-handed.

Unparalleled computing power
Power your most demanding apps of today and tomorrow with a superior processor and memory — every model offers an ultra-powerful 2.2 GHz octa-core processor and 4 GB RAM/32 GB Flash.

Backward compatible accessories
You can use most of your existing MC3200/MC3300/MC3300R accessories for a cost-effective upgrade. And choose from new accessories like the universal ShareCradle that simplifies backroom management.

Feedback for any environment
With high visibility LEDs, workers can easily keep track of charging status and confirm a task was completed, even in the noisiest environments. LEDs are located on both sides of the device to ensure visibility from any angle.

Integrated NFC for simple, split-second pairing
With a quick tap, workers can pair the MC3300XR with Zebra’s family of ring scanners, mobile printers, and Bluetooth headsets. And you can also use the NFC reader for "tap to authenticate" applications, where workers simply tap their employee ID badge to log into authorized applications and resources.

Simplify data entry with a keypad and large touchscreen
The perfect combination: large touchscreen and keypad
Whether your application requires touch or physical keypad input, we’ve got you covered. Your application can utilize the entire display, while the physical keypad provides the same familiar user input experience your workers have today. And with three different options, you can choose the right keypad for your data entry needs — alphanumeric, numeric and functional numeric.

The ultimate in Android support
The only device in this class to offer Android 10
The most powerful version of Android yet, Android 10 makes the MC3300XR easier to use and even more secure. For your IT department, there are 50+ new security and privacy improvements.

A lifetime security guard for Android
With LifeGuard for Android, you get the security updates you need to keep your MC3300XR RFID readers secure every day they are in service — along with an easy end-to-end control of the OS update process, plus built-in support for the next version of Android.
# MC3330xR Specifications

## Physical Characteristics

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>6.65 in x 2.95 in x 1.18 in</td>
</tr>
<tr>
<td>Weight</td>
<td>29 oz (830g)</td>
</tr>
<tr>
<td>Display</td>
<td>4.3' x (800 x 480) WVGA color display</td>
</tr>
<tr>
<td>Imager Window</td>
<td>Corning Gorilla Glass</td>
</tr>
</tbody>
</table>
| Touchpanel         | Corning Gorilla Glass touch panel with capacitive touch support and 16 key long key drawer panel.

## Interactive Sensor Technology (IST)

- **Motion Sensors**: LED accelerometer with MEMS gyroscope
- **RFID**
  - **Standards Supported**: EPC Class 1 Gen 2, EPC Gen2 V2.0, EPC ISO18000-63
  - **RFID Engine**: Integrated Proprietary Radio Technology
  - **Fastest Read Rate**: >500 tags/sec
  - **Nominal Read Range**: >1.5 m (5 ft)
  - **RFID Power Output**: 18 dBm ±0.5 dBm
  - **RFID Antenna Type**: Integrated/Circular Polarized

## Frequency Range

- **Frequency Range**: 865–928 MHz

## Barcode Scanning

- **Scan Engine**: 5642/50 with LED lights

## Wireless LAN

- **Radio**
  - **IEEE 802.11ac/n/a/b/g/n/2.4 GHz/5 GHz**
  - **IEEE 802.11ac/n/a/b/g/n/2.4 GHz/5 GHz**
- **Data Rates**: 802.11ac/n/a/b/g/n/2.4 GHz/5 GHz up to 867 Mbps

## Operating Channels (depending on Regulatory)

- **Channel 11**: 2.483 – 2.497 GHz
- **Channel 36-60**: 5.725 – 5.850 GHz
- **Channel 100-107**: 5.875 – 5.925 GHz
- **Channel 108**: 5.925 – 5.97 GHz

## Security and Encryption

- **WEP**, **WPA/WPA2**, **WPA-Enterprise (EAP)**, **WPA/WPA2 Enterprise (EAP)**, **WPA-Enterprise (EAP)**
- **EAP-TLS (PEAP-MSP, MSCHAPv2), EAP-TLS, PEAP-0-MSP, PEAP-0-MSCHAPv2, PEAP-0-MSCHAPv2, EAP-TLS and PEAP-TLS)**

## Certifications

- **AFA/EC/EMV, Wi-Fi, Bluetooth, FCC, CE, ISO/IEC 27001, ETL, UL, OSHAS 18001, RoHS**

## Accessories

- **Single slot cradle with spare battery charger**, **4-slot cradle with cradle**, **4-slot battery charger**, **4-slot Ethernet cradle**, **4-slot battery charger**
- **Single slot cradle**, **5-slot cradle**

## Back-of-store retail

- **Inventory cycle counting**
- **Automatic replenishment**
- **Receive/ship control**
- **Omni-channel order fulfillment**
- **Item finding**

## Data centers/offices

- **Asset management and tracking**
- **Inventory cycle counting**

## Healthcare

- **Inventory cycle counting**
- **Critical asset management**
- **Patient tracking**
- **Pharmaceutical and laboratory inventory**
- **Truck stock demand sample inventory (medical device and pharmaceutical manufacturers)**
MC3330xR Specifications (continued)

<table>
<thead>
<tr>
<th>Regulatory</th>
<th>Mobility DNA</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMI/EMC: Class B</td>
<td>Mobility DNA solutions help you get more value out of your mobile computers by adding functionality as well as simplifying deployment and management of your mobile devices. For more information on these Zebra-only features, please visit <a href="http://www.zebra.com/mobilityDNA">www.zebra.com/mobilityDNA</a>.</td>
</tr>
<tr>
<td>Electrical Safety: UL 60950-1, CAN/CSA C22.2 No. 60950-1-08, EN 60950-1, IEC 60950-1, EN 60950-1</td>
<td></td>
</tr>
<tr>
<td>RF Exposure: EN 50364, EN 62 369-1, EN 62311, EN 62311 US: IEC 60950-1</td>
<td></td>
</tr>
</tbody>
</table>

Environmental Compliance

- RoHS Directive 2011/65/EU Amendment 2015/863
- WEEE Directive 2012/19/EU

A complete list of product and materials compliance, please visit: www.zebra.com/environment.

Warranty

Subject to the terms of Zebra’s hardware warranty statement, the MC3330xR is warranted against defects in materials and workmanship for a period of three years from the date of shipment. For complete warranty statement, please visit: www.zebra.com/warranty.

Recommended Services

Zebra OneCare Essential and Select: Maximize Zebra device availability, device value, and operational efficiency with these fully featured support services that set the industry bar for support.

Zebra VisibilityIQ Services: Improve device value with Zebra’s optional VisibilityIQ Service. VisibilityIQ gives the data-driven, actionable insight to get the most from your devices, workers, and daily tasks. VisibilityIQ transmits big data into a simple, color-coded, cloud-based pane of glass, translating it into actionable insight to streamline workflow. VisibilityIQ (DA) provides access to key DNA tools, and VisibilityIQ OneCare™ cloud-based dashboard offers visibility into repairs, tech support, software security status, and more.

Footnotes

1. Based on Zebra test results from specific case studies.

Footnotes subject to change without notice.