



RFD40 UHF RFID **STANDARD SLED**

Faster. Smarter. Future-proof.

Agenda

1. Why Zebra?
2. The Market Reality...and Changing the Game
3. Vertical Markets and Applications
4. Key Features
5. Key Takeaways
6. Feature Summary



Why Zebra?

Why Zebra

Extensive Reach

Scalable to meet any enterprise demands



\$4.5B
Global Sales



100+ Offices
in 45 Countries



4,900+ Patents
Issued and Pending



8,200+
Employees Worldwide



10,000+ Channel
Partners in Over 100 Countries



\$447M+ R&D*
*10% of Sales

Leader Status

Gartner Magic Quadrant for Indoor Location Services — Worldwide

#1

Mobile RFID

**Rugged
Mobile Computing**

Data Capture

Barcode Printing

Our People Make the Difference



Channel Accolades



Sources: VDC Research and Zebra analysis (#1 market share), Gartner, Inc., "Magic Quadrant Indoor Location Services, Global," Tim Zimmerman, Annette Zimmermann, 13 January 2020 (Leader Status Status)

Zebra RAIN RFID Solutions Portfolio

More Transformation. No Complication.



HANDHELD READERS

Helps you achieve maximum visibility into the location of your enterprise assets



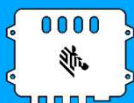
ANTENNAS

Allows you to read RFID tags in a wide variety of environments and use cases



RFID PRINTERS

Give your assets a digital voice with accurate, scalable, RFID encoding solutions.



FIXED READERS

Increase visibility and automation with unattended data capture



Zebra OneCare

SERVICES & SIGNATURE SERVICES

Design your RFID Solution and obtain support to maximize uptime post installation



RFID LABELS & SUPPLIES

Includes a wide selection of RFID inlays, labels and tags to meet the requirements of most applications and budgets



**The Market Reality...
and Changing the Game**

Your business is being challenged...

To work faster and more efficiently than ever before. Whether you're trying to manage inventory or need to locate critical assets and patients, there's no time to waste.

As your business changes your technology needs to be able to adapt. You need a device that's built to keep working through upgrades to maximize your ROI and improve your bottom line. You need a device that's future-proof.



What if the
latest and
greatest
device **was**
also built to
last?

Outperform the competition with faster read rates, optimized read ranges, and impressive battery capacity.

Outlast your current mobile computers and adapt to the next generation with ease when the time is right.

Outstanding connectivity and accessories to ensure it gets the job done right time after time



Introducing the

RFD40 UHF RFID STANDARD SLED

This RAIN RFID powerhouse is ready to tackle all your RFID and data capture needs long into the future

Efficiency with **staying power**

Achieve the flexibility and connectivity you need to become more efficient and adapt quickly to new and emerging technologies with the RFD40 UHF RFID Standard Sled from Zebra.

Industry-Leading

Gain the edge you need with a single device that's built to perform and built to last.

Faster

Decrease cycle counting time with more tag reads per second and a tri-function trigger.

More Accurate

Take inventory faster or locate critical assets and patients with ease with an ultra-accurate item-finder mode.

Upgrade with Ease

Adapt to new and emerging technologies with this state-of-the-art sled that connects to the latest eConnex™-enabled Zebra mobile computers and future models.



Vertical Markets and Applications



Retail

- Cycle Counting
- Item finding
- Planogram Compliance
- Returns
- Inventory Management
- Warehouse Management
- Back-of-store Management
- BOPIS/BOPAC
- Direct Store Delivery
- Route Accounting

Hospitality

- Check-in & Administration
- Ticketing: Concerts, Sports, etc.
- Loyalty Cards
- Food Safety and Traceability
- Inventory Management
- Field Service

Healthcare

- Specimen Tracking
- Patient Tracking
- Hospital Asset Management & Tracking
- Staff Management & Tracking
- Patient Identification & Admission
- Medication Administration
- Pharmacy Management & Tracking



Key Features

What sets the **RFD40 Sled** apart from the competition?

Faster read rates and
optimized read range

Tri-function
programmable trigger

Ultra-accurate
item-finder mode

Changeable eConnex™
adaptors for snap and
go pairing

Quick release 7000mAh
battery

Flexible charging
cups and optional
communication
cradles



Connectivity that is next generation

Supports the latest **Zebra Mobile Computers** including WWAN-enabled variants.

Future-proof to support new **eConnex™- enabled** mobile computers.

Batch mode enables offline collection of up to 40,000 RFID tags—no mobile computer or host needed.



Talk to your Partner about compatible
Zebra Touch Computers

Performance that is unparalleled

Industry-leading 1,300+ tag reads per second with 20+ foot range and an ultra-accurate item-finder mode

Quick release battery is accessible without removing the mobile computer

Tri-function trigger lets associates quickly access RFID reading, barcode scanning and a programmable third function of your choice, such as the enter key or push-to-talk



Swap devices without sending to IT for retrofitting

Easy to change, tool-free sled adaptors

7000mAh battery for full-shift run time

Optional battery locking foot fortifies two of the most vulnerable device elements

Durability

that is built to get the job done

IP54 Sealing

Suitable for everyday use cases and protects against dust and water

500 cycles of 0.5 meter/1.6 foot tumbles

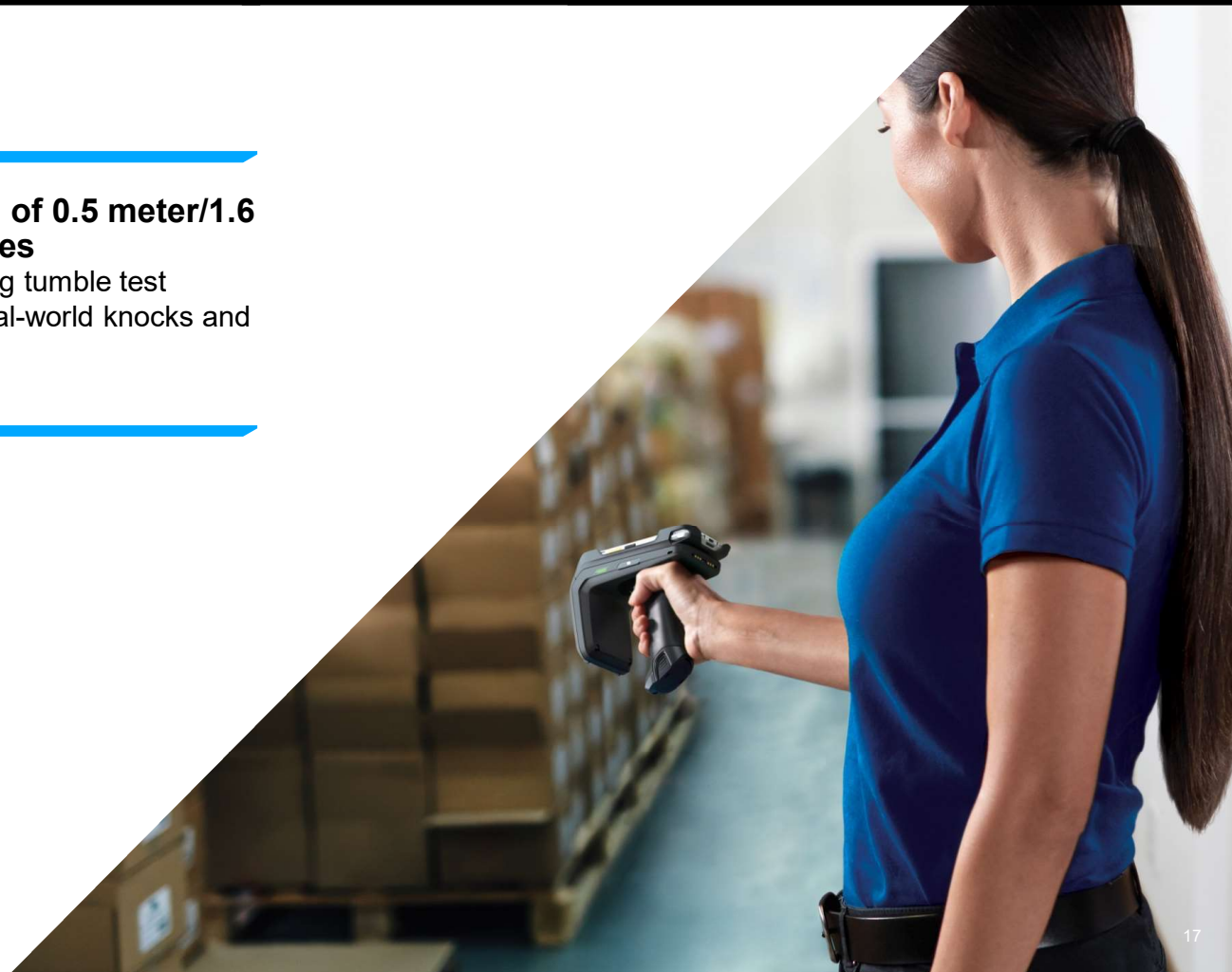
Our punishing tumble test replicates real-world knocks and bumps

-10°C to 50°C/ 14°F to 122°F

Full functionality across the full rated operating temperature range

5-foot to concrete drop spec

Survives multiple drops to concrete



WORLD CLASS DEVELOPMENT & ENABLEMENT TOOLS

SOFTWARE DEVELOPMENT KITS (SDKs)

- Allow quick transition to latest generation of product.
- No need for application rewrite.
- Based off current Zebra RFID handheld SDKs.
- Only a recompile of the current application with the new SDK is required for you to get up and running on the new RFD40 Standard Sled.
- Supports Android, Microsoft and Xamarin development environments.

123RFID Desktop & 123RFID Mobile

- The RFD40 Sled can connect to 123RFID Desktop via USB cable or cable cup or 123RFID Mobile via eConnex™, so you can configure your sleds live and offline. Use 123RFID Desktop or 123RFID Mobile for proofs-of-concepts, demos, and to perform firmware upgrades.

Supported Configurations



TC21/26



EC50/55



Sled Only

Entirely Adaptive Solution

- eConnex-enabled adaptors enable the RFD40 Sled to electronically connect to eConnex-enabled mobile computers
- Tool-free changing of sled adaptor can be easily performed by field associates without tools
- No need to send devices to IT for retrofitting
- Future-proofed RFID solution as new mobile computers become available



Entirely Adaptive Single-Slot Solution

- Tool-free, adaptive cradle solution allows users to change cradle cup in the field without plugging or unplugging any cables
 - Eliminates the need to rip and replace entire cradle base and cabling
 - Enables future-proofing as new mobile computers will be supported with new cradle cups on current base
- Cradle can charge mobile computer by itself, sled by itself, or combination
- Manage sleds while in the cradle – Set configurations, push out firmware upgrades, get device health info.
- Single-slot charge only and communication cradles
 - With micro USB port for connection to a host PC



Entirely Adaptive Multi-Slot Solution

- 3-slot charge only and communication cradles with 4-slot battery toaster
 - With Ethernet port for connection to corporate network
- Cradle can charge mobile computer by itself, sled by itself, or combination
- Manage sleds while in the cradle – Set configurations, push out firmware upgrades, get device health info.
- Mix and match cradle cups on the same cradle base to accommodate different types of mobile computers in your environment



Accessories

Innovative New Cradle Solutions

Flexible and Future-Proof Options

USB-C Charge Cable or Cable Cup	Connect to Windows PC or other host via USB-C port or pinned connector on the bottom of the sled. ZFD40 Sled to be used as a tethered reader.
Battery locking rubber foot	Allows enterprise to lock battery in place, helping to prevent user damage and/or theft.



Best used for front and back of store applications:

- Convenience stores
- Multi-department retail stores
- Electronics stores
- Sporting goods stores
- Pharmacies
- Small to medium size retailers
- Quick Serve Restaurants
- Warehouse/distribution center operations
- IT services



Best used for front of store applications:

- Multi-department retail stores
- Fashion and high fashion retail stores
- Electronics stores
- Small to medium size retailers
- Hotel hospitality



Unparalleled Services

ZEBRA OneCare

Zebra OneCare ensures the device is online and ready for business, ensuring critical business processes and operations are performing at peak levels.

Choose from a variety of service levels that fit your business needs.

ZEBRA SERVICES

- 24/7 always-available web self-service via Zebra's online Support Portal Software and firmware updates and upgrades
- Ability to track repair status via the Support Dashboard feature
- Device Diagnostic Tool to provide accurate real time device status information to help with telephone triage with Zebra's Support Center
- Repair Services for normal wear and tear and device failure coverage, plus varying levels of repair support, depending upon your needs
- Additional for-fee options available to customize your service level to fit specific business needs

Key Takeaways



20% more durable
than the competition



Reads RFID tags up to
30% faster than the
competition



Exclusive eConnex
adaptors future-proof
your solution



Industry's only tool-free
user interchangeable
adaptors simplifies device
upgrades



115+ regulatory
certifications for global
rollouts



Up to **2x more battery**
capacity for full-shift run
time



Industry's only
tri-function trigger allow
the device to be used for
multiple workflows



Headache-free managing
and configuring with
best-in-class 123RFID

Feature Summary

RFD40 UHF RFID STANDARD SLED



Physical Characteristics

Dimensions: 5.94 in. H x 3.3 in. W x in. 6.5 in. L
15.1 cm H x 8.4 cm W x 16.65 cm L

Weight: ~19.1 oz./~541 grams (sled with battery)

Power: Quick-Release, PowerPrecision+
Li-Ion 7000 mAh battery

Notification: Decode LEDs

Battery Status LED

Beeper

User Input: Tri-Function User Programmable Trigger

RFID Performance

Standards Supported: EPC Class 1 Gen 2;
EPC Gen2 V2

RFID Engine: Zebra Proprietary Radio Technology

Fastest Read Rate: 1300+ tags/sec

Nominal Read Range: ~19.7+ ft./ ~6+ m

Frequency Range and RF System Output:

US: 902-928MHz; 0 — 30 dBm (EIRP)

EU: 865-868MHz; 0 — 30 dBm (EIRP)

916.3, 917.5, and 918.7 MHz; 0 — 30 dBm (EIRP)

Japan: 916-921MHz (w LBT), 0 — 30 dBm (EIRP)

User Environment

Drop Specification: Multiple 5 ft./1.8 m drops to concrete

Tumble Specification: 500 cycles (1000 drops, 1.6 ft./
0.5 m) at room temperature

Operating Temp.: -10° C to 50° C/14° F to 122° F

Storage Temp.: -40° C to 70° C/-40° F to 158° F

Humidity: 5-85% non-condensing

Electrostatic Discharge:

+/-15kV air discharge

+/-8kV direct discharge

+/-8kVdc indirect discharge

Sealing: IP54

Accessories

Cradles and Charging:

Cable Cup

USB-C Cable

USB Wall Brick for USB-C Cable and Cable Cup

1-Slot Charging Cradle

1-Slot Charging and USB Cradle

Multi-Slot Charging Cradle

Multi-Slot Charging and Ethernet Cradle

4-Slot Battery Toaster

Other Accessories:

eConnex™ Adaptors for

Supported Zebra Mobile Computers

Battery Locking Foot

Belt Holster

Communication

Host Connection:

Electronic 8-pin Connection

USB-C Cable

USB Cable Cup

Host Computer:

TC21/26

EC50/55

Windows-Based PC

Regulatory

EMI/EMC: FCC Part 15 Subpart B Class B; ICES 003 Class B;
EN 301 489-1; EN 301 489-3; EN 55035; EN 55032 Class B

Electrical Safety: IEC 62368-1 (ed.2) UL 62368-1, second
edition, CAN/CSA-C22.2 No. 62368-1-14

RF Exposure: EU: EN 50364, EN 62369-1, EN 50566, EN 62311;
USA: FCC Part 2. 1093 OET Bulletin 65 Supplement 'C'; Canada:
RSS-102

RFID: EU EN 302 208, FCC Part 15 Subpart C;

Canada: RSS-247



Thank You!

For more information visit, www.zebra.com/RFD40

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