RFD40 UHF RFID Standard Sled

Faster. Smarter. Future-proof.

Your business is being challenged to work faster and more efficiently than ever before. Gain the edge you need with the RFD40 UHF RFID Standard Sled. Decrease cycle counting time with more tag reads per second. Take inventory faster or locate critical assets and patients with ease with the ultra-accurate item-finder mode and a tri-function trigger. Adapt to new and emerging technologies with this state-of-the-art sled that connects to the latest eConnex™-enabled Zebra mobile computers. This capable RAIN RFID powerhouse is ready to tackle all your RFID and data capture needs long into the future. 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.

Empower Your Workers

Next Generation Connectivity
With the new eConnex™ technology that allows for snap-and-go pairing, you can future-proof your workplace with a sled that supports the latest Zebra mobile computers including WWAN-enabled variants. What's more, the sled has the ability to instantly connect to supported Zebra eConnex™-enabled devices including the TC21/26, EC50/55 and future models.

Unparalleled Efficiency
The RFD40 Sled outperforms the competition with 1,300+ tag reads per second (up to 30% faster than the next leading competitor), a 20+ foot read range and ultra-accurate item-finder mode. With a 7000mAh battery and quick release function that's accessible without removing the mobile computer, it can keep going hour after hour. The 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.

Adaptive Solutions
The RFD40 Sled is fully enabled to support Zebra's current mobile computers as well as new mobile computers as they come out. The easy-to-change, tool-free sled adaptors allow associates to swap out the adaptor quickly while maintaining compatibility without the need to send devices to IT for retrofitting.

Durability You Can Depend On
Zebra devices have the ability to withstand everyday environments. The RFD40 Sled has a 5-foot drop to concrete specification and a 500 cycle 0.5 meter/1.6 foot tumble specification to replicate real world knocks and bumps. It has an IP54 sealing for dust and water protection, and an extended operating temperature range of -10°C to 50°C/14°F to 122°F. With these durable specifications you can feel confident that the RFD40 Sled will meet the demanding needs of your workplace.

Get increased efficiency and performance that's built to last.
Find out more about how the RFD40 UHF RFID Standard Sled can optimize performance and boost your ROI.
Please visit www.zebra.com/rfd40

Flexible and Future-Proof Charging

The charging solutions for the RFD40 Sled provide users a flexible way to power up the sled and mobile computer in a variety of ways. Featuring 2 sets of charging pins, each cradle cup can charge the RFD40 Sled by itself, the mobile computer by itself, or the combination of RFD40 Sled and mobile computer when attached together. Cradle cups are available for each combination of RFD40 Sled and mobile computer, including TC21/26 and EC50/55.A USB-C port on the bottom of the RFD40 sled, as well as a pinned connector, allows for the connection of the RFD40 Sled to a Windows-based PC or other host via a USB-C cable or cable cup which enable the RFD40 Sled to be used as a tethered RFID reader.

World Class Development and Enablement Tools

Quickly transition to the latest generation of products without the need for a major application rewrite. The Software Development Kits (SDKs) for the RFD40 Sled are based off of the 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 Sled.The RFD40 Sled can now connect to 123RFID Desktop via USB cable or cable cup so you can configure your sleds live and offline. Use 123RFID Desktop for proofs-of-concepts, demos, and to perform firmware upgrades.

No Host? No Problem!

If a real-time connection to backend systems is not available, batch mode enables the collection of up to 40,000 RFID tags. Just sync to upload the data from the RFD40 Sled to the host device at any time.

Innovative New Cradle Solutions

When you're ready to upgrade, Zebra's game-changing cradles were developed so mobile computers can be swapped out with ease. Using just a coin screw, you can make changes without tools or the hassle of plugging or unplugging any wire harnesses, simplifying the experience for all users.Cradles that support the RFD40 Sled come in both 1-slot and multi-slot options, as well as charge-only and communication variants. For communication support, the 1-slot communication cradles have a micro USB port for connection to a host PC while the multi-slot cradles possess an Ethernet port for connection to a corporate network. This connectivity allows you to manage your RFD40 Sleds while in the cradle and also provides the ability to set configuration, push out firmware upgrades, and get device health info. So, you get more information about your device with less effort.

Secure Battery Locking Foot

The RFD40 Sled has an optional Battery Locking Foot that will lock the battery in place, helping to prevent user damage and/or theft.

Why Zebra for RFID?

The time to implement RFID is now. Rely on the industry's deepest, field-proven portfolio to drive full-scale transformation without the risks. Designed for your environment, application and conditions, Zebra RFID solutions are designed to make you more effective.

Specifications

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./1.5 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	eConnex™ (Electric 8-pin Connection) USB-C Cable USB Cable Cup
Host Computer	Zebra mobile computers and tablets Windows-Based PCs
Mobile Computer Adaptors	eConnex™

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; EN 60601-1-2
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

Markets and Applications

Retail

• Cycle Counting
• |tem Finding
• Planogram Compliance
• Returns
• Inventory Management
• Warehouse Management
• Back-of-store Management
• BOPIS/BOPAC
• Direct Store Delivery
• Route Accounting

Hospitality

• Check-in and Administration
• Ticketing: Concerts, sporting events and more
• Loyalty Cards
• Food Safety and Traceability
• Inventory Management
• Field Service

Healthcare

• Specimen Tracking
• Patient Tracking
• Hospital Asset Management and Tracking
• Staff Management and Tracking
• Patient Identification and Admission
• Medication Administration
• Pharmacy Management and Tracking

The Zebra wordmark and logo are trademarks of Zebra Technologies Corp., registered in many jurisdictions worldwide. All other trademarks are the property of their respective owners. ©2026 Zebra Technologies Corp. and/or its affiliates. 08/28/2025 HTML