RFD2000 UHF RFID Sled

Easily add high performance UHF RFID to Zebra's TC20 mobile computer

The RFD2000 UHF RFID sled is a compact, lightweight device that easily adds UHF RFID tag reading, writing and locationing capability to Zebra's TC20[1] RFID-ready mobile computer. This winning combination is a complete retail solution that makes inventory management, shopper interactions and assisted selling a breeze.



Superior ergonomics for comfort and style
The RFD2000 was built with store associates and shoppers in mind. Superior ergonomics and a compact, lightweight design bring comfort even to inventory management tasks. And the modern design fits right into shopper-facing areas, even in the most design conscious stores.

High-performance flexible, fast and accurate RFID tag capture
Purpose-built for the TC20, the RFD2000 delivers the same robust RFID performance you would expect in a dedicated RFID device. You get the flexibility to add and remove RFID functionality as needed — but unlike many sleds, there's no compromise on performance. Zebra's high-performance ASIC radio technology provides superior sensitivity, delivering a read rate that is 15% faster than the competition. The result is lightning-fast inventory counts — your workers can walk down an aisle at a natural pace, yet capture every tag they pass.

Easy on, easy off
Workers can just slip the RFD2000 onto the TC20 whenever RFID is needed. And while the RFD2000 holds the TC20 securely in place, the RFD2000 is easily detached, returning the TC20 to its natural compact and pocketable size.

Easily find a specific item with Geiger-counter mode
Finding a misplaced item in your store can be like finding a needle in a haystack. But Geiger-counter mode makes it easy.

Easily take inventory with triggerless mode
Capture all tags within range of the RFD2000 — no need to press and hold the trigger.

Encode RFID tags with one press of the trigger
Easily create combination RFID tags that also contain barcode data, providing more flexibility in inventory management. Simply scan a barcode, then scan an RFID tag to automatically write the barcode to the tag. And you can choose to write to one tag or many tags, all with one press of the trigger.

Capture barcodes or RFID tags with the multi-function trigger
With the RFD2000, the TC20 becomes a triggered hand-held reader that can capture barcodes or RFID tags, bringing comfort to scan intensive tasks.

Add RFID to your TC20 Mobile Computers with the RFD2000 Sled — and get the benefits of high-performance RFID in your store
For more information, visit www.zebra.com/rfd2000
or access our global contact directory at www.zebra.com/contact

Full shift battery power

With the longest battery life in its class and our unique power-optimizing technology, your workers can count on full shift power — even with intensive use. And premium high-grade capacity cells provide the longest battery lifecycle, reducing battery costs.

Advanced battery statistics help maximize uptime

Zebra's PowerPrecision+ removable battery also provides advanced battery statistics, including remaining power and battery health — so you can easily spot and remove aging batteries that can no longer hold a full charge.

Charge it your way

With our unique flexible charging solution, you can charge the RFD2000 or TC20 individually or together — all in one unique cradle.

Prevent counterfeiting and protect consumer privacy

The EPC Global Gen 2 v2 RFID technology in the RFD2000 provides the cryptographic tag authentication required to create non-clonable tags. In addition, tag data is hidden and untraceable until the RFD2000 reads the tag, protecting shopper privacy.

Deploy anywhere in the world

With regulatory approvals for over 80+ countries, the RFD2000 is ideal for single site stores as well as large chains with stores that reach all around the world.

Protect your investment with Zebra OneCare

Zebra's OneCare service provides true peace of mind — no matter what happens to your RFD2000, it's covered. This optional comprehensive service covers component failure and accidental damage, as well as everyday wear and tear. Since no one knows a product better that the manufacturer, you get unmatched technical expertise. And you can easily request a repair online, any time of the day or night. Prevent the high cost of unplanned device repairs and downtime in your organization with Zebra OneCare.

Specifications

Physical Characteristics

Dimensions	5.9 in. H x 3.1 in. W x in. 5.2 in. L 14.9 cm H x 7.9 cm W x 13.3 cm L
Weight	~10.9 oz./~310 grams (sled with battery)
Power	PowerPrecision+ Li-Ion 3160 mAh battery
Notification	LEDs
User Input	Trigger

RFID Performance

Standards Supported	EPC Class 1 Gen 2; EPC Gen2 V2
RFID Engine	Zebra Proprietary Radio Technology
Read Rate	up to 700 tags/sec
Nominal Read Range	~19.7+ ft./ ~6+ m
Frequency Range/RF Output	US: 902-928MHz; 0 — 30 dBm (EIRP) EU: 865-868MHz; 0 — 30 dBm (EIRP) Japan: 916-921MHz (w LBT), 0 — 30 dBm (EIRP)

User Environment

Drop Specification	Multiple 4 ft./1.2 m drops to concrete at room temperature
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	IP52

Accessories

Cradles	1-Slot Charging Cradle 5-Slot Charging Cradle

Communication

Host Connection	Electrical 8-pin connection
Host Computer	Zebra TC20 mobile computer

Regulatory

EMI/EMC	FCC Part 15 Subpart B Class B; ICES 003 Class B; EN 301 489-1; EN 301 489-3; EN55024; EN 55032 Class B
Electrical Safety	UL 60950-1, CAN/CSA C22.2 No. 60950-1, IEC 60950-1, EN 60950-1
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

Warranty

Subject to the terms of Zebra's hardware warranty statement, the RFD2000 and the RFD2000 battery are warranted against defects in workmanship and materials for a period of twelve (12) months. For complete warranty statement, go to: http://www.zebra.com/warranty

Recommended Services

Zebra OneCare

Footnotes

1) Compatible with TC20 RFID-ready model only. For more information, visit www.zebra.com/tc20.

Markets and Applications

The RFD2000 can reduce time and errors in:

- Picking
- Put-away
- Item location
- Inventory management
- Cycle counting
- Price check/item look-up

NA and Corporate Headquarters
+1 800 423 0442
inquiry4@zebra.com

Asia-Pacific Headquarters
+65 6858 0722
contact.apac@zebra.com

EMEA Headquarters
zebra.com/locations
contact.emea@zebra.com

Latin America Headquarters
zebra.com/locations
la.contactme@zebra.com

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