



ZEBRA

RFD8500i

Easily add high-performance UHF RFID reading to Zebra's TC55 touch mobile computer

The RFD8500i adds the power of enterprise-class UHF RFID reading to Zebra's TC55 touch mobile computer — simply, easily and cost-effectively. The RFD8500i utilizes NFC/Bluetooth for proximity pairing to quickly and securely connect to the TC55 via an enhanced adaptor. When it comes to performance, the RFD8500i/TC55 combination is unparalleled — workers can capture tags and bar codes faster and with ease, improving productivity, operational efficiency and customer service. The RFD8500i — Style you can admire. Comfort you can feel. Flexibility your enterprise needs. Performance you can rely on. Battery life you can take for granted. And value you can appreciate.



RFD8500i only compatible with TC55 touch mobile computer with 1X battery

Proximity Quick-Pairing

Combining the RFD8500i's and TC55's NFC capabilities are a match made in heaven. Just slide the TC55 touch mobile computer into the spring-loaded adaptor for easy insertion, pairing, and removal.

Fast RFID tag capture in various environments

With AutoMac* and our patent-pending breakthrough antenna design, you get maximum read/write speeds and coverage required to maximize workforce efficiency.

High performance battery for full shift operation

Our unique power-optimizing algorithm delivers the superior battery cycle times that ensure full-shift power, even with intensive usage.

Flexible data capture options: UHF RFID and Barcode

In addition to the ability of the RFD8500i to read UHF RFID tags, users can use the TC55's integrated 1D/2D imager to capture barcodes.

Prevent counterfeiting and protect consumer privacy with EPC Global Gen2 v2

Protect profitability, customer safety and privacy with some of the latest RFID features. Cryptographic tag authentication provides extensive protection against tag cloning, allowing you to deploy non-clonable tags to prevent counterfeit product from entering your supply chain. In addition, the RFD8500i allows businesses to protect a consumer's post-sales privacy, for instance, by hiding data until a tag is interrogated by the RFD8500i with an untraceable privilege — when a purchased product is returned for a refund or exchange.

Charging solutions to fit your environment's needs

With a 1- and 4-slot charging cradle, your charging possibilities are endless. And with the ability to charge both the TC55 and RFD8500i combined in the same slot or independently, you can maximize your charging solution.

Fast and easy application development

Zebra's powerful Android RFID Software Developer Kit (SDK) and ZETI, the human readable ASCII protocol, can be used for fast and easy application development for the TC55 host mobile computer to communicate with RFD8500i.

Enterprise-class charging solutions

Zebra offers 1-slot or 4-slot cradle options which can charge the RFD8500i/TC55 independently or together in the same slot.

Deploy all around the world

The RFD8500i offers the style you need for customer facing areas as well as the durability for all-day everyday business use, making it ideal in just about every industry. And with regulatory approvals for over 80+ countries, the RFD8500i can be deployed globally across your operations.

SPECIFICATION SHEET

ZEBRA RFD8500i UHF RFID SLED

RFD8500i Specifications Chart

PHYSICAL CHARACTERISTICS		COMMUNICATION	
Dimensions	6.0 in. H x 3.1 in. W x 7.1 in. L 15.2 cm H x 7.9 cm W x 18.1 cm L	Bluetooth*	Bluetooth* Version 2.1 SPP profile HID Profile
Weight	15.3 oz./~465 grams with 1X battery	Bluetooth* Class	2
Power	PowerPrecision Li-Ion batteries Standard 1X: 2940 mAh Extended 1.5X: 4410 mAh (recommended)	Pairing Method	NFC / Bluetooth
Configurations	RFID only	Compatible Host Devices	Zebra TC55 touch mobile computer
Notification	LED and audible tone	ACCESSORIES	
User Input	Trigger, 3 push button switch	External Interface	MicroUSB Connector and Charging Cradle based charging
RFID PERFORMANCE		Other Accessories	1-Slot Charging Cradle 4-Slot Charging Cradle
Standards Supported	EPC Class 1 Gen 2; EPC Gen2 V2	REGULATORY	
RFID Engine	Zebra Proprietary Radio Technology	EMI/EMC	FCC Part 15 Subpart B Class B; ICES 003 Class B; EN 301 489-1; EN 301 489-3; EN 301 489-17; EN 55022 Class B; EN55024; EN 55032 Class B
Fastest Read Rate	600+ tags/sec	Electrical Safety	UL 60950-1, CAN/CSA C22.2 No. 60950-1, IEC 60950-1, EN 60950-1
Nominal Read Range	20+ ft./ 6+ m	RF Exposure	EU: EN 50364, EN 62479; USA: FCC Part 2 (Section 2.1091), OET Bulletin 65 Supplement C; Canada: RSS-102
Frequency Range/ RF Output	US: 902-928MHz; 4 - 34 dBm (EIRP) EU: 865-868MHz; 4 - 34 dBm (EIRP) Japan: 916-921Mhz (w LBT), 4 - 34 dBm (EIRP)	RFID/Bluetooth	EU: EN 300 328, FCC Part 15 Subpart C; Canada: RSS-247
Batch Mode Memory	Store 40,000+ RFID Tags, 500 barcode	WARRANTY	
USER ENVIRONMENT		Subject to the terms of Zebra's hardware warranty statement, the RFD8500i is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, go to: http://www.zebra.com/warranty	
Drop Specification	Multiple 4 ft./1.2 m drops to concrete (0° to 40° C)		
Tumble Specification	1000 drops (500 tumbles, 1.6 ft./0.5 m) at room temperature		
Operating Temp.	-10°C to 40°C / 14°F to 104°F		
Storage Temp.	-40°C to 70°C / -40°F to 158°F		
Charging Temp.	0°C to 40°C / 14°F to 104°F		
Humidity	5-85% non-condensing		
Electrostatic Discharge	+/-15kV air discharge, +/-8kV direct discharge, +/-8kVdc indirect discharge		
Sealing	IP52		

* AutoMac is a self-optimizing radio feature that automatically adapts to fast tag reading in various environments.



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
mseurope@zebra.com

Latin America Headquarters
+1 847 955 2283
la.contactme@zebra.com