MOTOROLA RFID5500

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PRODUCT SPEC SHEET
MOTOROLA RFD5500 UHF RFID SLED
FOR MC55, MC65 AND MC67 MOBILE COMPUTERS

TURN MOTOROLA MOBILE COMPUTERS INTO BUSINESS-CLASS HANDHELD RFID READERS

MOTOROLA RFD5500 UHF RFID SLED

EXTEND THE BENEFITS OF RFID FURTHER INTO THE ENTERPRISE

The RFD5500 UHF RFID Sled brings industry-leading RFID technology to your MC55, MC65 or MC67 mobile computers.* This versatile accessory makes these mobile computers state-of-the-art handheld RFID readers that are at home in the storefront, carpeted business areas or with the WAN enabled MC65 or MC67, out in the field. With its light weight, rugged design and well-balanced, gun-style grip, the RFD5500 is suited to the most read-intensive applications. And the advanced, high efficiency Motorola RFID reader engine gives you fast read rates, high throughput — and improved productivity in your operation.

SUPERIOR RFID PERFORMANCE

Most RFID readers offer you a choice of antennas: linear polarization for a longer read range or circular polarization for wider coverage. Motorola's patented omnidirectional antenna offers the best of both worlds — a superior read range and superior coverage area. The orientation agnostic antenna in the RFD5500 delivers extraordinary reliability and there's no need to precisely align the reader with the tag. That means your workers can quickly and accurately capture RFID data on even the most challenging

items — from a pile of clothing in a retail store or a box of files in the office to a shelf full of data tapes in the data center.

EASY-TO-USE LOCATING CAPABILITY

Many RFID handheld readers can identify the general proximity of an item – for example, a shelf. The RFD5500 offers a unique combination of intuitive audible and visual cues to quickly guide a worker to the precise location of any desired item. As the device moves closer to a specific item, a tone beeps louder and faster, while a sliding graphical bar increases in size. So your employees can locate any individual item, regardless of where it may be, quickly and easily.

DUAL DATA CAPTURE FUNCTIONALITY

The RFD5500 adds best-in-class RFID data capture technologies to the best-in-class bar code scanning ability of your MC55, MC65 or MC67. The versatility of using two readers in a single device means employees can locate products, read non-line-of-sight RFID data, and capture even damaged and poor quality 1D bar codes without interrupting workflow. Meanwhile, you have fewer devices to purchase and manage, which translates to a lower cost of ownership for you.

FEATURES

Business-class RFID handheld for global deployments
Supports regions based on European, Japanese and US RFID frequencies

Motorola RFID reader engine
Delivers advanced, high efficiency read performance for faster read rates and higher throughput

Easy-to-use Application Programming Interfaces (APIs)
Rapid and cost-effective application development

* Supports MC55 Series (MC55N0-xxx and MC55A0-xxx) and the MC6X Series (MC65 and MC67, excluding Android configurations)

MOTOROLA RFD5500 SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions	20 x 18 x 7.5 cm
Weight	395 g (not including MC55)
RFID Battery	3.7V, 2400 mAh
Data Capture Options	RFID

USER ENVIRONMENT

Drop Spec	4 ft./1.2 m drop to concrete across the operating temperature range
Tumble Spec	250 1.64 ft./.5 m tumbles (500 drops) at room temperature
Operating Temp	14° F to 122° F/-10° C to 50° C
Storage Temp	-22°F to 160° F/-40°C to 70°C
Humidity	5-85% non-condensing
Electrostatic Discharge (ESD)	+/-15kV air discharge, +/-8kV direct discharge, +/-8kVdc indirect discharge

Inserting the MC55, MC65 or MC67 into the Sled

Slide the mobile computer into the Sled until it locks into place. The latches secure the mobile computer to the sled.
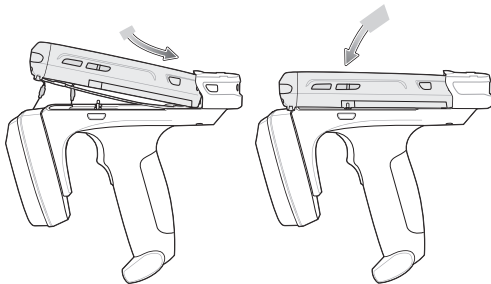
RFID

Power Output	EU: 1/2W ERP JP: 1/2W EIRP US: 1W EIRP
Antenna Type	Integrated – Omni-directional
Frequency Range	EU: 865-868 MHz JP: 918-920 MHz US: 902-928 MHz
Standards Supported	EPG Global Class 1 Gen 2

REGULATORY

EMI/EMC	FCC Part 15 Class B; ICES 003 Class B; EN 301 489-1; EN 301 489-3; EN 55022; EN55024
Electrical Safety	UL 60950-1, CSA C22.2 No. 60950-1, IEC 60950-1
RF Exposure	EU: EN 50364; USA: FCC OET Bulletin 65 Supplement C; Canada: RSS-102
RFID	EU: EN 302 208, FCC 15.247; Canada: RSS 210

WARRANTY

The RFD5500 is warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.

1 LED lighting with high AC ripple content can impact scanning performance.

NOTICE: Repairs of this product may require the use of Motorola proprietary parts (and/or Motorola proprietary information). Motorola will sell these parts (and provide this proprietary information) only to end-user customers for self-service. Applicable in the U.S. For all other countries, please contact your Motorola account manager or the local Motorola Customer Service representative in your area for further details.

MAX RFID ANTENNA

Maximize the performance of your RFID solutions with this patented orientation insensitive antenna. The unique combination of linear and circular polarization maximizes read range and coverage area, delivering the extraordinary reliability required to capture tags — even on the most challenging items.

MAX SECURE

MAX Secure provides the security features required to ensure secure data transmissions over either the WLAN or the WWAN — including highly sensitive applications in government and public safety.

For more information on the Motorola RFD5500 UHF RFID Sled, please visit us on the web at www.motorolasolutions.com/RFD5500 or access our global directory at www.motorolasolutions.com/contactus.

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