

Positive Patient ID with RFID Technology. Let your Patients Rest.

Positively identify your patients without disturbing them. Collect patient information from 18 inches away through blankets and clothing using UHF RFID readers and specialized patient ID wristbands.

UHF radio frequency identification (RFID) technology allows your staff to efficiently collect patient data without moving or adjusting the patient to scan a barcode. RMS Omega has developed an effective combination of specialized wristbands equipped with passive RFID tags and corresponding readers to verify patient information from a pre-determined distance. A passive RFID tag can be read from anywhere within range of the reader. The read range and frequency levels can be adjusted based on the RFID equipment selected and the specific needs of each hospital.

Identifying the Tiniest of Patients with RFID.

With RFID wristbands, nurses can quickly scan and identify infant patients without having to un-swaddle or wake them. Wristbands are soft and comfortable for babies, featuring adjustable adhesive closures to fit even the smallest of patients.

In addition to RFID tags, readers can also capture barcodes to verify patient medications, specimens, charts, and more.

The total solution: RMS Omega provides RFID readers, wristband and label printers, tags, supplies, portals and more.



Nursery by Daniel Lobo CC BY 2.0
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RFID provides instant verification. There is no need to get close or adjust the patient to scan a barcode.

Use RFID to identify patients in the OR, NICU, and ICU. Verify patients through blankets, clothing, incubators & drapes.

Wristbands contain a specialized passive RFID tag tested for optimal use in medical environments.

RMS Omega's UHF RFID readers can quickly and easily scan barcodes in addition to RFID tags. Choose the reader that best suits your needs, including *Bluetooth*[®], cordless and corded versions.

Contact us to schedule a demo!

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RestEasy RFID Solution Components

RMS Omega 1311 UHF RFID Reader

RMS Omega's 1311 UHF RFID reader can quickly and easily scan barcodes in addition to RFID tags. Hospitals can choose the style of reader that best suits their needs, including Bluetooth®, cordless and corded versions. Range and frequency levels can be adjusted based the specific needs of each hospital.

Our Bluetooth® UHF RFID Reader is designed to read and write to EPC Class 1 Gen 2 (ISO18000-6C) UHF transponders and communicate with a variety of host devices via Bluetooth® wireless technology. With its Impinj R2000 core and range of interchangeable high performance antennas the 1311 performs like no other reader, giving the user the highest levels of flexibility currently available in today's market. The reader can be configured with class leading high performance 2D data scanning to bring unparalleled data collection capabilities to connected devices.



Features:

High Performance Bluetooth® Multi-modal Data Capture

UHF RFID and 2D barcode data capture in one integrated Bluetooth® device

Hardware Platform Independence

Operates with wide variety of Bluetooth® wireless technology enabled host devices including touchscreen MP3 players, phones, tablets, Enterprise Handhelds and PC's

OS Independence

Operates with Windows Mobile, WinCE, Windows XP, 7, 8, Android, iOS

Batch Data Collection

Removable high capacity Micro SD data card and real time clock for extended batch data collection independent of host connection

Flexible Configuration

Unique interchangeable high performance antennas including optional 2D scanning and trigger handle with a range of device specific mounts for holding phones and MP3 players

High Performance barcode scanning

Integrated Motorola SE4500 imaging engine provides class leading barcode scan performance via its unique patent pending fast pulse illumination which delivers outstanding motion tolerance and class leading 1D and 2D data capture



1D Barcode, 2D Barcode Imager, ASCII 2 Compatible, Lithium-Polymer Battery, Ultra High Frequency RFID Reader

RFID Wristbands

RMS Omega's RFID thermal wristband materials and coatings are specifically engineered for comfort and contact to human skin. Available in infant sizing.

Features:

- Soft and Cushioning - Highly comfortable
- Opaque Ivory Color
- Hypo-allergenic adhesive
- Includes RFID inlay (chip and antenna)
- Material (hydrophobic, designed for direct skin contact in medical and surgical applications)
- Thermal sensitive layer comprised of a polymeric binder, a sensitizer, a developer and a leuco dye coated directly on the base material
- Primer layer comprised of a water soluble polymer coated directly onto the thermal sensitive layer
- Heat resistant top coating comprised of a cross-linked, photo polymerized acrylic



RFID Printer / Encoder

The ZD500R RFID printer will easily encode and print UHF RFID wristbands for patients of all sizes. By using an RFID wristband, your staff can verify a patient's identity without having to move or disturb them.

THE ZD500R is small in size and will easily fit into your busy workstation. With automatic calibration, you'll enjoy lower media cost, less waste and fewer roll changes.



Features:

- **RFID:** Supports tags compatible with UHF EPC Gen 2 V1.2/ ISO 18000-6C
- **Print methods:** Thermal Transfer or Direct Thermal
- **Programming Language:** ZPL
- **Construction:** Dual-wall frame
- Prints and encodes tags with a minimum pitch of 0.6"/16 mm (without cutter option)
- Adaptive Encoding Technology simplifies RFID setup and eliminates complex RFID placement guidelines
- RFID job monitoring tools track RFID performance
- RFID ZPL® commands provide compatibility with existing Zebra RFID printers
- Support for industry standard multi-vendor chip-based serialization (MCS)
- Supports block peralocking of user memory compatible with ATA Spec 2000
- Integrated ThingMagic® RFID Reader/Encoder

