





## iSakura RFID Technology

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### Leading the way in positive patient identification, iSakura pioneered the development of RFID Wristband Systems.

The wireless, automated, and secure process of RFID ensures positive patient identification and fully streamlined operations. No other system better ensures the integrity of information between patient, host device, and/or Hospital Information System (HIS).

- iSakura 's Smart Band RFID Wristband System acts as a portable, dynamic database that carries patient information to be used and updated during the patient's stay.
- RFID helps to ensure that the "Five Rights of Medications Safety" are achieved, facilitating real-time confirmation of the Right Patient, Right Drug, Right Dose, Right Route, and Right Time.
- Unlike bar code, RFID's non-line-of-site data transmission can be read through and around the human body, clothing, bed coverings, and non-metallic materials.

### RFID Features & Benefits

iSakura RFID Systems help streamline operations and ensure positive patient identification to reduce medical errors. Here's an overview of the many technological and value-added advantages of using iSakura RFID Systems.

Provides non-transferable Positive Patient Identification (PPI), which can help to save lives and money through reduced medical errors.

Allows healthcare personnel to instantly and accurately capture and verify data for medication administration, point-of-care-testing (POCT), transfusion, specimen collection/tracking, surgical site safety, and patient charging. It facilitates real-time confirmation of the Right Patient, Right Drug, Right Dose, Right Route, and Right Time.

Read/write electronic storage technology allows for data transfer to and from host systems and data storage (e.g. blood type, allergic reaction warning, instructions/DNR, surgery site).

RFID yields larger memory capacities, wider reading ranges, and faster processing than bar codes.

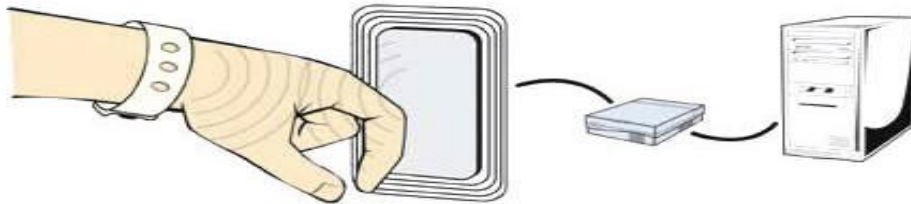
Unlike bar code, RFID's non-line-of-site data transmission can be read through and around the human body, clothing, bed coverings, and nonmetallic materials.

iSakura Smart Band® Wristbands can be programmed and printed on demand by direct thermal or thermal transfer printer/programmers.

## iSakura Patient RFID System in Action

The principles upon which RFID is based are quite straight forward, even though the technology and the way it operates can be quite sophisticated. Just as one doesn't need to understand the technicalities of a mobile phone or PC to use them, the same holds true of RFID. Here's a basic overview of iSakura RFID System in action:

- 1 Smart Band® RFID Wristband enters the radio frequency field of an RFID scanner.
- 2 Radio frequency signal powers RFID inlet in wristband.
- 3 Smart Band® RFID wristband transmits data to reader/writer.
- 4 Reader/writer sends data to computer.
- 5 Computer determines action and sends data to reader/writer.
- 6 Reader/writer updates Smart Band® RFID wristband.



## iSakura RFID Patient Data flow Pipeline

Hospital Information Systems (HIS) are complex, consisting of multiple software applications running on their own hardware. iSakura's Smart Band® RFID Wristband acts as a portable dynamic database that can carry specific patient information to be used and updated by the various systems during the patient's stay.

The diagram above illustrates the data flow of a typical hospital and how a variety of devices can interact with the Smart Band® to provide positive patient information to the systems.

