Wireless Handheld HF RFID & 2D Barcode Reader

JADAK’s Flexpoint™ HS-2R is the first wireless/Bluetooth 1D/2D barcode scanner and High Frequency (HF) RFID reader designed specifically for use in healthcare and medical environments.

In addition to reading all popular linear (1D) and matrix (2D) barcodes, the dual-functional Flexpoint HS-2R can read and write to HF RFID tags (13.56MHz) and supports a wide range of HF standards.

The highly-durable design of the Flexpoint HS-2R protects the device in demanding medical applications where exposure to liquid and drops to hard hospital floors are common. Also, the HS-2R’s medical-grade housing allows frequent cleanings with harsh cleansing solutions for germ-free use and without fear of plastic degradation.

Applications:

- Healthcare and Hospital Applications, including Patient or Medication Tracking
- Blood Tracking
- Point of Care
- Drug Inventory
- Reagent Scanning
- Surgical Part Tracking
- Medical Carts, Intravenous (IV) Poles
- Mountable on Desktop Computers or Walls
- Inventory Tracking, Access Control
- Supply Chain Authentication
- Check-out, Point-of-Sale
### RFID Tag Compatibility

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<td>NXP Mifare</td>
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### RF

- **Frequency:** 13.56MHz
- **Data Rate:** 26kbps ISO15693, 106K to 848K bps ISO14443
- **Power:** RF Power: 120mW nominal
- **Antenna:** Internal antenna
- **Range:** Contact to 1.0”+ (Tag dependent)

### Scanning

- **Light Source:** Red LED Illumination
- **Rotation:** 360°
- **Min X Dimension:** 0.017 mm (6.6 mils)
- **Reading Distance:** Up to 22.6cm (8.9 in) (This assumes a 13mil bar code element)
- **Ambient:** Total Darkness to 100,000 Lux (Sunlight)
- **Symbologies - 2D:** PDF417, MicroPDF417, Maxicode, Data Matrix, QR Code, Aztec, Aztec Mesa, Code 49, UCC Composite
- **Linear:** Code 39, Code 128, Codabar, UPC, EAN, Interleaved 2 of 5, Reduced Space Symbology, Code 93, Codablock
- **OCR Fonts:** OCR-A and OCR-B

### Electrical

- **Communications:** USB (Keyboard or COMM Port)
- **Power Supply:** 5VDC +/- 5%
- **Current:** 500mA max.
- **Idle Current:** 200 – 400mA (based on battery charge level)
- **Agency:** FCC Class B, Industry Canada (IC), ETSI EN 300 330 V2.1.1, RED 2014/53/EU, CE

### Environmental

- **Operating Temp.:** 0° to 40°C (32° to 104°F)
- **Relative Humidity:** 95% RH non-condensing, at +40°C
- **Agency:** RoHS and WEEE Compliant
- **Sealing:** IP54 Sealed Housing
- **Recommended Cleaning:** Sani-Cloth® HB, Sani-Cloth® Plus, Super Sani-Cloth®, Isopropyl Alcohol Wipes (70%), Cavi-Wipes, Betadine®, 409®, Windex®, Hydrogen Peroxide (3%), Clorox® Bleach, Gentle Dish Soap and Water

All specifications subject to change without notice.

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**ABOUT JADAK:**

JADAK, a business unit of Novanta, is a market leader in machine vision, RFID, barcode, printing, and color and light measurement products and services for original equipment manufacturers. The company designs and manufactures embedded detection and analysis solutions that help customers solve unique inspection, tracking, scanning and documenting. The company is ISO 9001 and ISO 13485 registered.

Novanta is a trusted technology partner to OEMs in the medical and advanced industrial technology markets, with deep proprietary expertise in photonics, vision and precision motion technologies.

[www.jadaktech.com](http://www.jadaktech.com)