HS-1RL Secure Access Handheld Barcode Scanner

L: 108 mm; W: 51 mm; H: 33 mm

Features & Benefits:

- 1D/2D barcode scanning & LF RFID reading capability in a single device accessory

- Reduces clutter and the number of USB ports needed on host device

- Simplifies workflows, improves time efficiencies, and infection control

- Compatible with a broad range of LF RFID badge types

- IP54-rated housing designed using medical grade plastics

- Compact, ergonomic, and flexible design

Enabling Secure Access and Barcode Scanning in a Single Healthcare Device Accessory

The HS-1RL integrates 1D and 2D barcode scanning with RFID proximity card reading functionality in a single, ergonomic, and compact design. This allows clinicians to use their proximity ID badges for seamless and secure user authentication and access to medical devices while also capturing barcode data, such as patient wristbands or medication information, with a single device.

For healthcare facilities, the HS-1RL provides simplified workflows, time efficiencies, and infection control, since clinicians can quickly scan their ID badge to log into devices, medicine cabinets and ID patients instead of using a password or other methods that can spread infection and add a significant amount of time to the clinician workflow. And since the scanner was designed specifically for healthcare applications, the plastics are durable against sterilization and disinfectants typically used in hospital settings.

Additional highlights of the HS-1RL Secure Access Handheld Barcode Scanner include:

- Superior performance in scan speed, motions tolerance, curved surfaces and poor/damaged codes
- The HS-1RL is future-proof, as hospitals adopt RFID for secure medical device log-in, hardware will not need to be replaced
- IP54 Rating to ensure internal components are protected during disinfection
- Ergonomic form factor for clinicians' comfort and ease of use
- Lifecycle management of the device is covered by JADAK—if changes occur backwards compatibility is guaranteed

Applications:

- Nurse's Carts
- Med Dispensing & Pharmacy
- Anesthesia Carts
- Patient Monitoring
- Blood Tracking
- Inventory Cabinets
- Infusion Pumps
- Pneumatic Systems Transport
- Ultrasound Machines
- POC / IVD Analyzers

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RFID	
RF Frequency:	125 kHz (LF)
Supported Transponders:	Cotag, G-Prox (hash value only), HID Prox, Honeywell NexWatch, Indala, ioProx, EM4100, 4102, 4200 (UID only), AWID, CASI-RUSCO, HITAG 1 (no encryption), HITAG 2 (no encryption), HITAG S (no encryption), Keri, Miro, Pyramid, TIRIS/HDX, UNIQUE, FDX-B, Q5, TITAN (4x50), T55x7, ZOODIAC
Antenna:	Internal
Read Range:	Contact to 1.0"+ (Tag dependent)
Barcode Scanning	
Light Source:	White LED illumination, Green LED line aimer
Rotational Sensitivity:	360°
Min X Dimension:	Linear codes: 5 mil, 2D Codes: 10 mil
Reading Distance:	2.0" to 15" (barcode dependent)
Ambient:	0-100,000 lux (complete darkness to full sunlight)
Symbologies:	2D: PDF417, MicroPDF417, Maxicode, Data Matrix, QR Code, Aztec, GS-1 Composite Linear: Code 39, Code 128, Codabar, UPC, EAN, Interleaved 2 of 5, GS-1 Databar, Code 93
User Interface and Software	
Control/Data Interface:	USB (Keyboard or COM Port), RS-232 (available upon request)
OS Compatibility:	Windows 10, Windows 7, Linux Ubuntu, other OS available upon request
User Indicators:	2 LEDs, adjustable audio signal, and optional vibration motor
Electrical	
Power Supply:	5VDC +/- 5%
Current:	500mA max. while scanning; 100mA while idle
Safety, Regulatory and Environmental Compliance:	FCC Class B, Industrie Canada (IC), ETSI EN 300 330 V2.1.1, RED 2014/53/EU, CE, IEC/EN60601 4th edition compatible for ESD, UL testing per IEC/EN60950 2nd edition, 2005, Amendment 2:2013, ROHS, REACH, WEEE
Environmental	
Operating Temp.:	32° F to 122° F (0° to 50°C)
Relative Humidity:	95% RH non-condensing, at +50°C
Environmental Sealing:	IP54 Sealed Housing
Recommended Cleaning Solutions:	Sani-Cloth® HB, Sani-Cloth® Plus, Super Sani-Cloth®, Isopropyl Alcohol Wipes (70%), Cavi-Wipes, Betadine®, 409®, Windex® Blue, Hydrogen Peroxide (3%), Clorox® Bleach, gentle dish soap and water
All specifications subject to change without notice.	

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 challenges. The company is ISO 9001 and ISO 13485 certified.

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.

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