

SF61B

Healthcare Pocket Scanner

Automated data capture is fundamental to ensuring patient safety in healthcare workflows, driving an increased demand for barcode scanners that can move with the clinician. To address this challenge and make it easier to collect data at the point of care, Honeywell developed the SF61B healthcare pocket scanner. Small enough to stow in a pocket, it travels with the clinician and can be quickly accessed or securely tucked away when use of both hands is required. This makes it ideal for today's busy healthcare environment, where complete freedom of movement is essential, and the ability to scan should always be within arm's reach.

The SF61B integrates with existing healthcare information management systems, and – with the simple scan of a barcode – easily pairs with iOS, Android™ and Windows® Mobile smartphones and tablets. Its compact form factor is small enough to fit into awkward or constricted spaces, and a high-performance imager makes it easy to scan all 1D and 2D codes – regardless of angle or orientation.

To ensure safe operation in patient-facing applications, the SF61B uses a laser-free design that provides high-performance scanning without the risk of eye injury inherent in laser-based designs. Its powerful white illumination field can even double as a makeshift flashlight.



With its high-performance, laser-free design and portable form factor, the SF61B is an ideal scanning solution for healthcare environments.

As a pocket scanner, the SF61B was engineered for all-day wireless performance. An integrated Bluetooth® Class 1 radio enables wireless communication at ranges up to 100 m (325 ft) from the host, and its field-replaceable battery has been tested to last up to 25,000 scans on a single charge.

FEATURES & BENEFITS



Compact enough to move with the clinician, the SF61B can be quickly stowed in a smock pocket when both hands are needed.



Bluetooth wireless technology pairs easily with iOS, Android and Windows Mobile devices, with a range of up to 100 m (325 ft).



Includes high-performance area-imaging technology for highly responsive, omnidirectional scanning even on curved or translucent surfaces.



Disinfectant-ready housing with IP64 seal rating protects against the harmful effects of repeated chemical wipe-downs.



Completely safe laser-free design with LED aimer is ideal for patient-facing applications.

SF61B TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions (LxWxH), including ring end-cap:

16.0 cm (6.3 in) x 4.6 cm (1.8 in) x 3.9 cm (1.5 in)

Weight with Battery: 184 gm (6.5 oz)

ELECTRICAL SPECIFICATIONS

Battery: Lithium-ion rechargeable (2,600 mAh)

Battery Life¹: 28,000 scans (1D) or 25,000 scans

(2D), with 1 scan every 4 seconds²

Recharging Time: 3 hours

BLUETOOTH RADIO

Type: Bluetooth Class 1 v2.1+EDR

Frequency: 2.4 GHz with Adaptive

Frequency Hopping

Range: 100 m (325 ft) in open space, 30 m (100 ft)

in typical work environment

Profiles: HID, SPP

CONNECTIVITY

Operating System Compatibility: Apple iOS;

Google Android; Microsoft Windows XP, Windows

Vista, Windows 7, Windows 8

SCAN TECHNOLOGY

2D Imager with LED Aimer (EA31)

READING PERFORMANCE

Maximum Code Resolution:

1D: 4 mils

2D: 6.6 mils

Print Contrast: 20%

Motion Tolerance: Up to 120 in/s

USER FEEDBACK

- Color Customizable Indication LED
- Configurable buzzer
- Configurable vibrator (haptic feedback)

1D BAR CODE SYMBOLOGIES

SUPPORTED

Codabar, Code 11, Code 39, Code 93/93i, Code 128 / GS1-128, EAN/UPC, GS1 DataBar Limited, GS1 Composite (linear only), GS1 DataBar Expanded, GS1 DataBar Limited, GS1 DataBar Omnidirectional, GS1 DataBar Stacked, Interleaved 2 of 5, Matrix 2 of 5, MSI, Plessey, Standard 2 of 5, Telepen

2D BAR CODE SYMBOLOGIES

SUPPORTED

DataMatrix, QR Code, Micro QR, PDF417, Micro PDF417, Aztec, Maxicode, Han Xin, Codablock A, Codablock F, GS1 Composite, TLC 39

POSTAL BAR CODE SYMBOLOGIES

SUPPORTED

Australian Post, BPO, Canada Post, Dutch Post, Infomail, Intelligent Mail, Japan Post, Planet, Postnet, Sweden Post

ENVIRONMENT

Housing: Disinfectant ready

Operating Temperature: -20°C to +50°C

(-4°F to +122°F)

Storage Temperature: -40°C to +70°C

(-40°F to +158°F)

Charging Temperature: 0°C to 45°C

(32°F to 113°F)

Relative Humidity: 5 to 95% non-condensing

Drop: 26 drops from 2 m (6.5 ft) to concrete

Environmental Rating: IP64

Ambient Light: 0 to 100,000 lux

REGULATORY APPROVALS & COMPLIANCE

1016SP01B (SF61B)

Safety: cULus Listed, CDRH, CE

EMC: Class B - FCC/ICES, CE

Radio: FCC, IC, CE, IDA (Singapore), IFETEL

(Mexico), A-Tick

Other: BIS, ANATEL, EAC, NTC, SIRIM, MSIP, EU

Directives-WEEE, RoHS, Batteries &

Accumulators, Packaging & Waste Packaging

STANDARD WARRANTY

Three-year standard warranty, with extended protection available through Honeywell Repair Services.

ACCESSORIES

View the SF61B Accessory Guide for complete details.

- Charger, Single-Bay³
- Charger, Quad-Bay³
- FlexDock Cup, Dual-Charge
- FlexDock Cup, Quad-Charge
- Power Adapter, AC
- Power Adapter, USB
- Wireless Base Station³

TYPICAL READING DISTANCES⁴

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.1 mm (4 mils)	4 cm (1.57 in)	18 cm (7.09 in)
	0.125 mm (5 mils)	4 cm (1.57 in)	22.5 cm (8.86 in)
	0.5 mm (20 mils)	6 cm (2.36 in)	67 cm (26.38 in)
	1 mm (40 mils)	14 cm (5.51 in)	117 cm (46.06 in)
EAN/UPC	0.33 mm (13 mils)	5 cm (1.97 in)	40 cm (15.75 in)
PDF417	0.25 mm (10 mils)	4 cm (1.57 in)	23 cm (9.06 in)
	0.38 mm (15 mils)	4 cm (1.57 in)	34 cm (13.39 in)
DataMatrix	0.25 mm (10 mils)	5 cm (1.97 in)	18 cm (7.09 in)

¹ Battery life may vary depending on ambient temperature, ambient light, and battery age.

² Typical number of scans possible without a battery recharge, in a typical office environment (250 lux) at ambient temperature.

³ These accessories, originally developed for SF51, are also compatible with SF61B.

⁴ The reading distances for each scanner are typical distances measured from the front end of the scanner bezel in an office environment (200 lux) with extended reading range activated (if applicable).

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance.

For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies.

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Bluetooth is a trademark or registered trademark in the United States and/or other countries of Bluetooth SIG.

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