

## Product profile

# SF61B

Mobility Scanner for  
Healthcare Applications



### ERGONOMIC

Compact size can be quickly and securely stowed in a smock pocket, on a belt loop, or along the arm—for unencumbered use of both hands



### HEALTHCARE

Disinfectant-ready housing with IP65 seal rating protects against the harmful effects of repeated chemical wipe-downs



### LASER-FREE

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



### SCANNING

Includes the industry's fastest 2D imaging technology for highly responsive, omni-directional scanning even on curved or shiny surfaces



### RADIO

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



### BATTERY

Field-replaceable battery provides greater than full-shift battery life, even in scan-intensive applications

Consistent, accurate data capture is fundamental to cost-effective healthcare operations, yet traditional gun-shaped handheld scanners were not designed to move with the worker. To address this challenge and make it easier to collect data at the point of care, we developed the SF61B healthcare mobility scanner. Small enough to stow in a pocket, it travels with the worker and can be quickly accessed or securely tucked away when unencumbered 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 integrated Bluetooth wireless—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. High motion tolerance (up to 400 in/sec) and omni-directional reading capability result in extremely responsive,

hassle-free scanning. And to ensure safe operation in patient-facing applications, the SF61B uses a laser-free design that provides this high performance scanning capability without the risk of eye injury.

As a mobility 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 lasts well beyond a full shift, even in the most scan-intensive applications.

The SF61B is also highly customizable to complement your healthcare environment. With our free EasySet™ PC programming tool, you can adjust security settings, beeper volume, and even enable haptic feedback (vibration profiles). For example, a simple scan of a bar code can enable silent scanning for quiet areas, and audible tones can be easily re-enabled for louder environments. EasySet can also be used to generate printable configuration bar codes, making it easy to setup additional scanners to match.

### 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:** 184 gm (6.5 oz)

### Electrical Specifications

**Battery:** Lithium-ion rechargeable (2,600 mAh)  
**Battery Life<sup>1</sup>:** 28,000 scans (1D) or 25,000 scans (2D), with 1 scan every 4 seconds<sup>2</sup>  
**Recharging Time:** 3 hours  
<sup>1</sup>Battery life may vary depending on ambient temperature, ambient light and battery life.  
<sup>2</sup>Typical number of scans possible without a battery recharge, in a typical office environment (250 lux) at ambient temperature.

### 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, Vista, 7, 8

### Scan Technology

Intermec 2D Imager with LED Aimer (EA31)

### Reading Performance

**Maximum Code Resolution:**  
1D: 4 mils  
2D/HP: 6.6 mils  
**Print Contrast:**  
1D: 20%  
2D/HP: 20%  
**Motion Tolerance:** Up to 400 in/s

### User Feedback

- Indicator LED
- Configurable buzzer
- Configurable vibrator (haptic feedback)

### 1D Bar Code Symbolologies 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, Interleaved 2 of 5, Matrix 2 of 5, MSI, Plessey, Standard 2 of 5, Telepen

### 2D Bar Code Symbolologies Supported

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

### Postal Bar Code Symbolologies 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 2m (6.5 ft.) to concrete  
**Environmental Rating:** IP65  
**Ambient Light:** 0 to 100,000 lux

### Regulatory Approvals & Compliance

1016SP01B (SF61B)  
**Safety:** cULus Listed  
**EMC:** Class B - FCC/ICES, CE  
**Radio:** FCC, Industry Canada, CE  
**Environmental:** EU Directives-WEEE; RoHS; Batteries & Accumulators; Packaging & Waste Packaging

### Standard Warranty

Three year standard warranty, with extended protection available through Intermec Medallion Support Services.

### Accessories

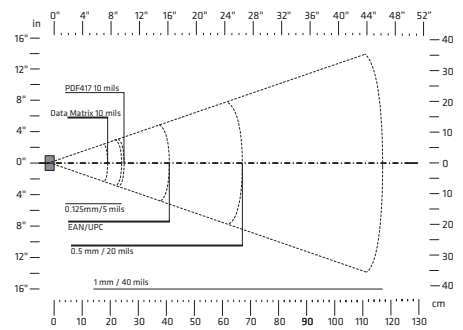
View the SF61B Accessory Guide for complete details.

- Single Bay Charger\*
- Four Bay Charger\*
- Belt Clip Holder\*
- Industrial Belt Clip Holder\*
- Chest Strap Holder\*
- Wireless Base Station\*
- Ring End-Cap With Wrist Strap
- Easyset™ Configuration Software

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

### Typical Reading Distances\*

SF61BHC



Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.1 mm (4 mils)	4 cm (1.57 in)	19 cm (7.48 in)
	0.125 mm (5 mils)	4 cm (1.57 in)	24 cm (9.45 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)	41 cm (16.14 in)
PDF417	0.25 mm (10 mils)	4 cm (1.57 in)	25 cm (9.84 in)
DataMatrix	0.38 mm (15 mils)	4 cm (1.57 in)	36 cm (14.17 in)
	0.25 mm (10 mils)	5 cm (1.97 in)	19 cm (7.48 in)

\* 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).

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