SF61B

Pocket Scanner for Healthcare Applications

ERGONOMIC
Compact enough to move with the clinician, the SF61B can be quickly stowed in a smock pocket when use of both hands is needed

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

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

HEALTHCARE
Disinfectant-ready housing with IP64 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

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

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, we 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.

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.

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 vibration feedback. 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 noisy environments. EasySet can also be used to generate printable configuration bar codes, making it easy to setup additional scanners to match.

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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[1]: 28,000 scans (1D) or 25,000 scans (2D),
with 1 scan every 4 seconds[2]
Recharging Time: 3 hours

1 Battery life may varies depending on ambient
  temperature, ambient light and battery life.
2 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: 6.6 mils
Print Contrast:
1D: 20%
2D: 20%
Motion Tolerance: Up to 120 in/s

User Feedback
• Indicator 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 2m (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 Intermec Medallion
Support Services.

Accessories
View the SF61B Accessory Guide for complete details.
• Belt Clip Holder*
• Charger, Single-Bay*
• Charger, Quad-Bay*
• FlexDock Cup, Dual-Charge
• FlexDock Cup, Quad-Charge
• Power Adapter, AC
• Power Adapter, USB
• Wireless Base Station*

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

Typical Reading Distances[3]

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.1 mm (4 mils)	4 cm (1.6 in)	18 cm (7.1 in)
	0.125 mm (5 mils)	4 cm (1.6 in)	22.5 cm (8.9 in)
	0.5 mm (20 mils)	6 cm (2.4 in)	67 cm (26.4 in)
	1 mm (40 mils)	14 cm (5.5 in)	117 cm (46.1 in)
EAN/UPC	0.33 mm (13 mils)	5 cm (2.0 in)	40 cm (15.8 in)
PDF417	0.25 mm (10 mils)	4 cm (1.6 in)	23 cm (9.1 in)
DataMatrix	0.38 mm (15 mils)	4 cm (1.6 in)	36 cm (14.2 in)
	0.25 mm (10 mils)	5 cm (2.0 in)	18 cm (7.1 in)

3 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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