

Product profile

SF61B

Rugged 2D Mobility Scanner



SPEED

Compact form factor and available quick attach/release system enable rapid, on-demand scanning



SCANNING

Includes the industry's fastest 2D imaging technology for snappy, omni-directional scanning



RADIO

Bluetooth wireless easily pairs with iOS®, Android® and Windows Mobile® devices



RUGGED

Tested to withstand 26 drops to concrete from 2 m (6.5 ft) and rated IP65 for protection from liquid and dust ingress



BATTERY

Field-replaceable battery lasts well beyond a full shift, even in scan-intensive applications

Designed to provide the highly mobile worker with performance scanning in an extremely compact and rugged package, the SF61B integrates with existing data capture workflows and—with embedded Bluetooth wireless—easily pairs with iOS, Android and Windows Mobile smartphones and tablets. With its unique form factor and magnetic quick attach/release system, workers can accomplish their data collection tasks with more efficiency, safety and agility than ever before.

Traditional gun-shaped scanners weren't made for the worker on the go. To address this, we designed the SF61B so that it can be quickly accessed or securely stowed away as needed. A magnetic quick-disconnect system and variety of smart accessories, like wrist straps and belt loops, make it easy to rapidly access the device when needed—and just as quick to securely stow away when unencumbered use of both hands is needed.

Despite its compact size, the SF61B packs the same high performance 2D imagers as our full-size handheld scanners. With unmatched motion tolerance (up to 500 in/sec) and omni-directional reading capability, the SF61B keeps up with your workers on the go by delivering incredible scan speed at any angle. The addition of VESTA, our patented scanning algorithm,

increases read range when scanning the most common 1D codes. Advanced imaging capabilities—such as data parsing, multi-code reading, and image/video capture—are built-in and make SF61B an even more flexible data capture tool.

The robust scanning performance of SF61B is complemented with equally impressive communication and battery performance. An integrated Bluetooth Class 1 radio enables wireless communication at ranges up to 100 m (325 ft), and the field-replaceable lithium-ion battery lasts well beyond a full shift, even in the most scan-intensive applications. The SF61B offers performance characteristics commonly found in full-size scanners, at just a fraction of their size and weight.

Don't mistake the SF61B's small size for fragility. It carries an IP65 rating against liquid and solid particle ingress, making it dust-tight and capable of withstanding direct water spray-downs. Like our SR61 ultra-rugged handheld scanner, the SF61B can survive 26 drops to concrete from a distance of 2 m (6.5 ft) over a wide operating temperature range. This ruggedness, combined with a standard three-year warranty, results in decreased total operating costs over the life of the device.

Physical Characteristics

Dimensions with Magnet End-Cap (LxWxH):

15.6 cm (6.1 in) x 4.6 cm (1.8 in) x 3.9 cm (1.5 in)

Dimensions with Ring End-Cap (LxWxH):

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 Life¹: 28,000 scans (1D) or 25,000 scans (2D), with 1 scan every 4 seconds²

Recharging Time: 3 hours

¹ Battery life 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

SF61BHP: Intermec 2D Imager with Laser Aimer (EA30)

SF61B2D: Intermec 2D Imager with LED Aimer (EA31)

SF61B1D: Intermec Linear Imager (EV14+)

Reading Performance

Maximum Code Resolution:

1D: 4 mils

2D/HP: 6.6 mils

Print Contrast:

1D: 20%

2D/HP: 20%

Scan Rate: 1D: Up to 200 scans/s

Motion Tolerance:

HP: Up to 500 in/s

2D: Up to 400 in/s

User Feedback

- Indication LED
- Configurable Buzzer
- Configurable Vibrator (Haptic Feedback)

Bar Code Symbolologies for 1D Model (SF61B1D)

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

Bar Code Symbolologies for 2D Models (SF61BHP/2D)

All above symbolologies supported by 1D model plus the following: DataMatrix, QR Code, Micro QR, PDF417, Micro PDF417, Aztec, Maxicode, Han Xin, Codablock A, Codablock F, GS1 Composite, TLC 39, and Postal Codes (Australian Post, BPO, Canada Post, Dutch Post, Infomail, Intelligent Mail, Japan Post, Planet, Postnet, Sweden Post)

Environment

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

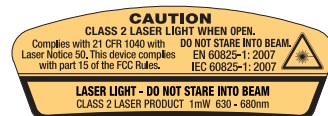
Three year standard warranty, with extended protection available through [Intermec Medallion Support Services](#).

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
- Magnet End-Cap And Belt Loop
- EasySet™ Configuration Software

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



Note: This warning applies only to SR31THP (EA30) models.

Typical Reading Distances*

SF61BHP

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.1 mm (4 mils)	5 cm (1.97 in)	22 cm (8.66 in)
	0.125 mm (5 mils)	4 cm (1.57 in)	27 cm (10.63 in)
	0.5 mm (20 mils)	6 cm (2.36 in)	71 cm (27.95 in)
	1 mm (40 mils)	14 cm (5.51 in)	125 cm (49.21 in)
EAN/UPC	0.33 mm (13 mils)	5 cm (1.97 in)	47 cm (1.50 in)
PDF417	0.25 mm (10 mils)	4 cm (1.57 in)	27 cm (10.63 in)
	0.38 mm (15 mils)	4 cm (1.57 in)	36 cm (14.17 in)
DataMatrix	0.25 mm (10 mils)	6 cm (2.36 in)	22 cm (8.66 in)

SF61B2D

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)
	0.38 mm (15 mils)	4 cm (1.57 in)	36 cm (14.17 in)
DataMatrix	0.25 mm (10 mils)	5 cm (1.97 in)	19 cm (7.48 in)

SF61B1D

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.1 mm (4 mils)	6 cm (2.36 in)	23 cm (9.06 in)
	0.125 mm (5 mils)	5 cm (1.97 in)	25.5 cm (10.04 in)
	0.25 mm (10 mils)	5 cm (1.97 in)	32.5 cm (12.80 in)
	1 mm (40 mils)	10 cm (3.94 in)	87.5 cm (34.45 in)
EAN/UPC	0.33 mm (13 mils)	5 cm (1.97 in)	33 cm (12.99 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).

Copyright © 2013 Intermec Technologies Corporation. All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners. 612290-A 08/13

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.

North America
Corporate Headquarters
6001 36th Avenue West
Everett, Washington 98203
Phone: (425) 348 2600
Fax: (425) 355 9551

North Latin America
Headquarters Office
Mexico
Phone: (+52) 55 52 41 48 00
Toll Free NOLA:
01800 490 4990

South Latin America
Headquarters Office
Brazil
Phone: (+55) 11 3711 6770
Fax: (+55) 11 5502 6780

Europe, Middle East & Africa
Headquarters Office
Reading, United Kingdom
Phone: (+44) 118 923 0800
Fax: (+44) 118 923 0801

Asia Pacific
Headquarters Office
Singapore
Phone: (+65) 6303 2100
Fax: (+65) 6303 2199

Media Sales
EMEA: (+31) 24 372 3167
USA: (513) 874 5882
<http://intermec.custhelp.com>

Sales
Toll Free NA: (800) 934 3163
Toll in NA: (425) 348 2726
Freephone ROW:
00800 4488 8844

OEM Sales
Phone: (425) 348 2762

Customer Service and Support
Toll Free NA: (800) 755 5505
Toll in NA: (425) 356 1799
EMEA: intermec.custhelp.com

Internet
www.intermec.com

Worldwide Locations
www.intermec.com/locations



Legacy Technology Services

We Rent & Sell All Types Of Barcode Equipment

Call now to talk to an expert

866-271-9891

www.LegacyGlobal.com

Some brands we carry



MOTOROLA

Intermec

DATALOGIC™

Honeywell

EQUINOX
PAYMENTS



About us

- Legacy Technology Services is a leading nationwide provider of mobile computing, barcode, printers and point of sale equipment and services.
- For over a decade, thousands of clients across North America have trusted us to provide equipment from leading manufacturers backed by the services to support them.

Latest Hardware from top manufacturers

- Legacy handles virtually every major manufacturer of mobile computing, barcoding and point of sale equipment.

Expert Repair and Maintenance services

- Legacy is one of the best repair facilities in North America

Discontinued product sourcing

- They don't make it anymore? Our inventory also includes manufacturer close-outs and discontinued equipment to support our clients legacy infrastructure.

Trade-in and Disposal services

- That old equipment laying around your facility may still have some value. Legacy routinely purchases equipment from our clients around the globe.
 - Data destruction
 - Hardware disposal
 - Auditing services

Dedicated client account team

- Dedicated, highly trained account managers are here to answer all your questions and provide top notch service.

Equipment rental services

- Sometimes renting is a better solution, Legacy's huge rental inventory provides the equipment you need for temporary needs and projects.



Legacy, Inc.

160 West Road,
Ellington, CT 06029

Toll Free: 866-271-9891

Fax: 888-522-4684