

# SR61B

## Rugged Handheld Scanner



- Interfaces with Intermec terminals and personal computers
- Choice of linear imager, area imager, or standard range laser scan options
- Easy configuration and personalization
- Industrial durability stands up to harsh environments

The Intermec SR61B handheld scanner meets the needs of rugged applications in warehouse, distribution center and industrial manufacturing settings. The SR61B is engineered to withstand the abuse of industrial environments and to satisfy user demands that hand held scanners be as durable as forklifts. Its high impact housing is virtually impenetrable, and its solid state design provides protection exceeding industrial and military standards. The SR61B thrives in harsh environments where dust, moisture or extreme temperatures are constants and production uptime is critical.

The SR61B wireless handheld scanner incorporates the flexibility and rugged design of a handheld scanner with the seamless functionality of wireless communication. The SR61B features a personal area network (PAN) radio based on Bluetooth® communication protocol, making scanning easier and safer with no costly cables to damage or become entangled. Users gain hassle-free mobility up to 30 meters (100 feet) from the host.

With the ability to interface with Intermec computer products including the CN50, CN3 series, CK3, CK30, CK31, CK32, CK60, CK61, CV30, CV60, 700 series standard PCs, the SR61B cordless scanner increases productivity while keeping costs down. Users can connect to one Intermec

host device enabling multiple people to scan items for inventory management, picking, shipping and receiving, cross docking, work-in-process, tool crib, and pallet tracking, all with ease.

With multiple scan options, including linear, area and standard range laser, the SR61B allows users to configure the scanner to meet the specific needs of their environment, whether they include reading specific barcode symbologies, decoding poor quality or damaged barcodes with ease or utilize image capture for proof of delivery and point of service applications.

The SR61B includes Intermec's EasySet™ software setup tool for easy configuration and personalization. The user can quickly set security options, select beeper tones and volumes, good read and error read responses, and many other customizations.

Scan intensive applications require reliable, accurate scanning and the SR61B delivers. The SR61B is designed to withstand rigorous application environments surviving multiple drops to concrete, cold and hot temperatures, and sealed to withstand dirt and water.

The SR61B cordless scanner delivers 10+ hours of use with a long lasting lithium ion battery that can be easily swapped ensuring minimal downtime.

### Physical Characteristics

**Length:** 17.78 cm (7 in)  
**Width:** 6.99 cm (2.75 in)  
**Depth:** 11.43 cm (4.5 in)  
**Weight (Cordless version with battery):**  
 425 gm (15 oz)  
**Weight (Cabled version without cable):** 280 gm (10 oz)

### Power (Cordless)

**Battery Type:** Lithium-ion  
**Battery Life:** 10+ hours per full charge  
**Recharging Time:** 2.5 hours for 90% charge

### Power (Cabled)

Cabled versions are powered via host or universal 5 volt power supply

### Connectivity

Bluetooth radio connection to Intermec computers including the CN50, CN3 series, CK3, CK30, CK31, CK32, CK60, CK61, CV30, CV60, 700 series and standard PCs.

### Interfaces

RS232, USB, Keyboard Wedge, Wand Emulation

### Radio Characteristics

**Frequency Band:** 2.4 Ghz  
**Radio Type:** Bluetooth Class 1 version 1.2  
**Radio Data Rate:** 1 megabit per second

### Radio Range

**Host radio Class 1:** 30.5 m (100 ft)  
**Host radio Class 2:** 10 m (32.8 ft)  
**Features:** Adaptive Frequency Hopping

### Scan Engine Options

Standard range laser (EL20)  
 Linear imager (EV10)  
 Area imager (EA11)

### Scan Range

Standard range laser - Intermec EL20

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.125mm 5 mil	10 cm 3.94 in	20 cm 7.87 in
UPC/EAN	0.33 mm 13 mil	*	55 cm 21.65 in
Code 39	1.397 mm 55 mil	*	150 cm 59.06 in

### Area Imager - Intermec EA11

Symbology	Density	Minimum Distance	Maximum Distance
Code 39	0.125mm 5 mils	7.5 cm 3 in	12.5 cm 4.9 in
	0.25 mm 10 mils	3.8 cm 1.5 in	26.5 cm 10.4 in
	0.5 mm 20 mils	4.5 cm 1.8 in	48 cm 18.9 in
	UPC/EAN	0.33 mm 13 mils	4.5 cm 1.8 in
Data Matrix	0.168 mm 6.6 mils	8.2 cm 3.2 in	12 cm 4.7 in
	0.254 mm 10mils	5 cm 2 in	21 cm 8.3 in
	0.381 mm 15 mils	4 cm 1.6 in	31.5 cm 12.4 in
	0.168 mm 6.6 mils	6.4 cm 2.5 in	15.8 cm 6.2 in
PDF417	0.254 mm 10 mils	4.2 cm 1.7 in	23.5 cm 9.3 in

### Linear Imager - Intermec EV10

Symbology	Bar Code Content	Density	Minimum Distance	Maximum Distance
Code 39	RESO	0.1 mm	10 cm	15 cm
	0.100MM	4 mil	3.9 in	5.9 in
	R 0.125 MM	0.125 mm 5 mil	9 cm 3.5 in	18.5 cm 7.3 in
	0.25	0.25 mm 10 mils	5.5 cm 2.2 in	27.5 cm 10.8 in
UPC/EAN	.5	.05 mm 20 mil	4 cm 1.6 in	37 cm 14.6 in
	RiMM	1 mm 40 mil	7.5 cm 3 in	51 cm
	12001000	0.33 mm 13 mils	5.2 cm 2 in	29.5 cm 11.6 in
	10100	0.254 mm 10 mils	10 cm 3.9 in	17.5 cm 6.9 in
PDF417	10 mil	0.254 mm 10 mils	10 cm 3.9 in	17.5 cm 6.9 in
	15 mil	0.381 mm 15 mils	8 cm 3.1 in	19.5 cm 7.7 in

### Supported Bar Code Symbologies

**1D (all versions):** Code 128/EAN128; Code 39; Interleaved 2/5; UPC/EAN/ISBN including add-ons; 2/5 Matrix, standard; Codabar; Code 93; MSI; Plessey; Code 93i; Code 11; Telepen; ISBT128; RSS  
**Stacked (Linear and Area versions only):** RSS; Micro PDF; PDF417; Macro PDF; Codablock; TLC39; Composite Codes (CC-A, B & C)  
**2D (Area version only):** Maxicode; DataMatrix; QR Code; 4-State Postal Code; Planet Postal Code; Postnet Postal Code

### 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)  
**Recharging Temperature:** 0°C to +35°C (32°F to +95°F)  
**Humidity:** 0 to 95% RH, Non-condensing  
**Shock and Vibration Protection:** SAE Specification J1399 Class 3 (off road vehicle)  
**Rain and Dust Resistance:** IP54  
**Drop Survival:** 26 drops onto concrete or steel surface from a height of 1.98 meters (6.5 feet)  
**Ambient light:** Works in any lighting conditions from 0 to 100,000 lux

### Accessories (Wireless)

SD61 Base Station  
 SR61 Dangle Suspension (wrist or fixed)  
 Belt Holster  
 Desktop / Wall Mount Charger  
 2, 4 and 8 Bay Charger  
 Bluetooth USB Adapter  
 Replacement Battery w/ Boot  
 EasySet™ Configuration Utility  
 Bluetooth RS232 adapter  
 Keypoint Lite Software Wedge (for use with PCs using Win 95, 98, 2000, XP SP1 and English QWERTY keyboards)  
 Keypoint Bluetooth Software Wedge (for use with PCs using Win XP SP2 and international keyboard types)

### Regulatory Approvals

CISPR 22 Class B; Part 15 of FCC rules, Class B; CE Mark (EU) (EN 55024, EN 55022 Class B, IEC 60950-1, IEC 60825-1); cULus (Canada and the USA) (UL 60950-1); GS Mark (Germany) (EN 60950-1, EN 60825-1); NOM (Mexico); C-TICK (Australia and New Zealand) (AS/NZS 3548 based on CISPR22); CQC and SRRS (China); Spring Mark (Singapore); MIC (South Korea); ANATEL (Brazil)



### 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  
 Fax: +52 55 52-11-81-21

### South Latin America

**Headquarters Office**  
 Brazil  
 Phone: +55 11 5502.6770  
 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

### Internet

www.intermec.com  
 Worldwide Locations:  
 www.intermec.com/locations

### Sales

Toll Free NA: (800) 934-3163  
 Toll in NA: (425) 348-2726  
 Freephone ROW:  
 00 800 4488 8844  
 Toll ROW: +44 134 435 0296

### OEM Sales

Phone: (425) 348-2762

### Media Sales

Phone: (513) 874-5882

### Customer Service and Support

Toll Free NA: (800) 755-5505  
 Toll in NA: (425) 356-1799

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