

## Product profile



# SD62

## Wireless Base Station for Handheld Scanners



### **SPEED**

Quick to install and use, with no need to install software on PC or host systems



### **SECURE**

Enhanced wireless security with Intermec advanced communication protocol



### **RADIO**

Communicates with scanners up to 300 m (984 ft) away from base



### **ADAPTABLE**

Supports simultaneous communication with up to seven scanners (SR61B, SF61B or SG20B)



### **RUGGED**

Industrial-grade construction ideal for warehouse and industrial applications

The SD62 wireless base station provides a secure encrypted connection between multiple Intermec handheld scanners—including SR61B, SF61B and SG20B. With no need to install special software, the SD62 can be quickly installed to support your wireless data capture needs in an instant. Connect up to seven Intermec Bluetooth® wireless scanners in a single work area, all connected wirelessly to the same mobile cart solution, PC or Intermec printer. With SD62, you can centralize all communication to a single host device, eliminate the need for multiple host devices, and unclutter your work area.

Integrating SD62 into your existing IT infrastructure is a snap. Wireless scanners can be connected by simply reading the bar code on top of the SD62 housing, empowering line managers and individual users to link scanners in real time. Connecting SD62 to a PC is a plug-and-play experience; no special drivers are required. Simply connect SD62 using your desired interface—be it USB, RS232 or PS2—and it's ready to accept data. Scanners can even be linked without requiring access to the host PC, reducing calls to systems administrators and limiting non-essential access to the system.

Communication between the SD62 and associated scanners is bi-directional: it checks that bar code data is fully

transmitted to the host. If the data is not transmitted for any reason—for example, if the host PC is turned off—the module sends an error beep back to the scanner. This error-checking capability provides the operator assurance that bar code data was transmitted successfully.

Featuring a Bluetooth Class 1 (Version 2.1) radio, the SD62 provides a working wireless range of up to 300 m (984 ft) from the base station (in open air). In the event a user goes out of range from the base station, their scanner will indicate an out-of-range status via both visual (LED), audio, and/or vibrator cues—and the scanner will automatically re-connect to the base station when back in range.

To simplify installation, the SD62 supports a wide range of host interfaces (USB, RS232, and wedge), eliminating the need for adaptors or less-durable dongles. Each associated wireless scanner can run independently, with its own specific configuration, delivering maximum flexibility and reliability in each data capture application. Unique scanner configurations can be established by scanning configuration bar codes, or using the freely available EasySet™ configuration software with support for advanced data editing tools.

Designed to withstand 26 drops to concrete, the SD62 is ideal for harsh environments including warehouse and industrial production sites. It is an ideal replacement to the Intermec MicroBar 9745 and SD61, providing performance wireless communications to your Intermec handheld scanners.

#### Physical Characteristics

**Height:** 3.6 cm (1.4 in)

**Width:** 10.2 cm (4 in)

**Depth:** 11.5 cm (4.5 in)

**Weight:** 150 g (5.3 oz.)

#### Electrical Specifications

**Operating Voltage:** 5 V +/- 10% nom.

**Operating Current:** 160 mA

#### Host Connectivity

**Supported Cable Interfaces:** USB, RS232, wedge (P52)

#### Power

The SD62 is powered via a universal 5 volt power supply; depending on the cable choice.

#### Radio Specifications

**Communication:** Bluetooth® Class 1 Version 2.1 + EDR (bi-directional)

**Range:** Up to 300 m (984 ft) in open space

**Association:** Easily pair Intermec wireless scanners by scanning the "connect bar code" on the top of the SD62 housing

**Connectivity:** Supports up to 7 scanners (simultaneously)

**Security:** Encrypted Intermec Scanner Communication Protocol (ISCP) with host acknowledgement

#### Temperature Specifications

**Operating Temperature:** -20° to 45° C (-4° to 113° F)

**Storage Temperature:** -40° to 70° C (-40° to 158° F)

#### Environmental Specifications

**Sealing:** IP53

**Drop and Shock:** Withstands 26 drops to concrete from 1.2 m (3.9 ft)

**Vibration:** 8 G, from 10 to 500 Hz, 2 hr/axis, 3 axis

**Relative Humidity:** 95% at 45° C (113° F) (non-condensing)

**MTBF:** 100,000 hrs

#### Testing & Standards

FCC Class A, EMC Class A & B, EN 60950, EN 300 328

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