

**PRODUCT SPEC SHEET**  
**SB1 SMART BADGE**



# SB1 SMART BADGE

## THE AFFORDABLE, WEARABLE MOBILE DEVICE DESIGNED FOR EVERY RETAIL ASSOCIATE

**Turn shoppers into buyers.** Today's shoppers are tough customers — they have higher expectations and more knowledge than ever before. They expect an immaculate store, with shelves stocked with the products they want to buy. They expect your sales associates to answer whatever question they might have in seconds — just like their smartphones can. Delivering superior service to these customers is a real challenge. But if your associates are wearing the powerful SB1 smart badge from Zebra, they can. The SB1 is a brand new category of mobile device that you can give to every one of your retail associates. This truly smart badge is full of the features every associate needs to deliver the best customer experience, with the connectivity needed to keep them productive, every minute of every day. Now, the badges your associates wear can allow associates to: access a personalized task list; accept tasks and acknowledge completion; scan a bar code to check price and inventory; and connect via push-to-talk (PTT) with other workers carrying practically any other PTT-enabled mobile device in use in the store. The result is a powerful always-connected workforce that can always access the people and information they need to maximize productivity and exceed your customers' expectations on every visit.

### **Small, lightweight and wearable**

The compact, light SB1 is easily worn on a lanyard, belt clip or armband — where it is comfortable and always available.

### **Durable — built for everyday use**

The SB1 is a true enterprise product, built to handle everyday use, from drops, spills and exposure to dust, heat and cold.

### **Easy to read — everywhere**

The 3 in. E Ink® Pearl display is easy to read in virtually every lighting condition.

### **1-D/2-D enterprise bar code scanning**

Omni-directional scanning, an integrated aimer, LED and beeper make scanning a breeze — just point and shoot, even if bar codes are dirty, damaged or poorly printed.

### **Full shift power**

The low-power E Ink display provides over 14 hours of battery life from a single charge — enough to power more than one shift. In badge mode, the screen can display an associate's picture and name or advertise a promotion — yet the display draws virtually no power at all.

### **Customizable bezel**

Pick your color and add your logo to promote your brand and enable customers to instantly identify your associates.

### **Easy 'touch' navigation**

Finger-style navigation eliminates the need for a stylus and supports a gloved hand.

### Screen inversion for easy viewing

An accelerometer instantly orients the screen 180° based on device position for easy viewing by customers and users.

### Built for sharing

No need to assign devices — workers can simply log in at the start of a shift to access their personal task list and messages.

### Business-class push-to-talk\*

At the press of a button, users can talk to other workers who are carrying an SB1, a Zebra mobile computer, a two-way radio\* or other mobile devices.

### Your data is safe and secure

The SB1 supports HTML5 thin client applications where the data resides on servers instead of the device, simplifying application deployment and eliminating the risk of data theft if the device is lost or stolen.

### Easily connect to wireless networks

With our Wi-Fi 802.11b/g/n radio, your workers get a secure and solid wireless connection to your WLAN — so voice and data features are simply always available.

## THE SB1 SMART BADGE. THE RIGHT FEATURES. THE RIGHT PRICE. THE SMART WAY TO CONNECT ALL YOUR ASSOCIATES.

For more information, visit [www.zebra.com/sb1](http://www.zebra.com/sb1) or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)

## SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS		DATA CAPTURE	
Dimensions	3.62 in. L x 3.19 in. W x 0.55 in D 92 mm L x 81 mm W x 14 mm D	Bar Code Reader	1-D/2-D omni-directional bar code reader with integrated aiming and built-in illumination
Weight	3.9 oz./110 g	Reading Range	
Display	3.0 inch E Ink Pearl display; 4-bit gray scale (16 shades); QVGA (320x240)	Code Type:	
Touchpanel	Full screen resistive touch; finger operation (no stylus)	80% UPC	Near : 2.50 in./6.35 cm Far : 9.36 in./23.77 cm
Battery	910mAH (full charging in less than 4 hours)	100% UPC	Near : 2.67 in./6.78 cm Far : 13.47 in./34.21 cm
Notification	Audio: beeper Visual: multi-color LEDs	7.5mil Code 39	Near : 2.02 in./5.08 cm Far : 8.57 in./5.13 cm
Audio	Integrated microphone; accessories include optional speaker with push-to-talk and wired headset adapters	10mil Code 39	Near : 2.54 in./6.45 cm Far : 20.67 in./52.50 cm
Disinfectant Ready	Yes	10mil PDF417	Near : 1.64 in./4.16 cm Far : 7.98 in./20.27
Colors	Black, Healthcare White	10mil DataMatrix	Near : 2.76 in./7.01 cm Far : 5.41 in./13.74 cm
PERFORMANCE CHARACTERISTICS		* Near distance field of view is limited and will depend on bar code length.	
CPU	i.MX35 (532MHz)	PERIPHERALS AND ACCESSORIES	

Memory	128 MB RAM/128 MB Flash
Applications	Supports thin client applications — HTML5 with RhoElements extensions

10-slot charging cradle (desk and rack mountable); single-slot charging cradle; headset adapter; PTT headset (speaker, microphone, PTT button and volume control); speaker accessory adapter with integrated speaker and PTT button; lanyard with hook for single-handed operation and removal; belt clip/holster with tether; wrist/arm-band; developer back housing with USB communication

## USER ENVIRONMENT

Operating Temp.	32° F to 104° F/0° C to 40° C
Storage Temp.	-40° F to 158° F/-40° C to 70° C
Humidity	5 to 95% non-condensing
Drop Specification	Multiple 4 ft./1.22 m drop to tile over concrete per MIL STD 810G specifications
Sealing	IP54

## REGULATORY

Visit [www.zebra.com/sb1](http://www.zebra.com/sb1) for regulatory information

## WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the SB1 is warranted against defects in workmanship and materials for a period of 12 months from the date of shipment. For complete warranty statement, go to: <http://www.zebra.com/warranty>

## INTERACTIVE SENSOR TECHNOLOGY (IST)

Motion Sensor	Integrated accelerometer enables low-power badge mode and screen rotation
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## WIRELESS LAN VOICE AND DATA COMMUNICATIONS

Radio	Wi-Fi IEEE® 802.11b/g/n
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## VOICE AND AUDIO

PTT voice communications; integrated microphone, optional high-quality speaker for PTT communications; optional headset adapter for wired headset support

## INCLUDED SOFTWARE

Zebra Technologies RhoElements webkit application environment; SB1 device shell and configuration pages; Zebra integrated MSP Rapid Deployment client for zero-touch staging and provisioning

## RECOMMENDED SERVICES

Service from the Start Advance Exchange Support

\* The Zebra Push-to-Talk Express client is required on all devices to enable push-to-talk services to mobile computers and third-party smartphones. Zebra Radio Link is required to enable push-to-talk with two-way radios.



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