

## WS101/WS101-H

### Tiny, rugged and lightweight wearable Bluetooth Communication Badge adds powerful hands free voice to Zebra mobile computers and tablets

Give your workers hands-free communications on Bluetooth-enabled Zebra Android mobile computers and tablets or Android and iOS<sup>1</sup> consumer smartphones and tablets with the WS101 and WS101-H. Workers can simply use speech to ask any voice-supported application for what they need, from placing a call to a specific person or a department without accessing a contact list to asking which store has a specific out-of-stock item — and receiving a spoken response from the retail inventory application. The integrated high-quality speaker and microphone, embedded wake word and optional Workcloud Sync work together, enabling the voice integration required to create hands-free voice and data workflows. Advanced technologies deliver consistently crystal clear voice. The result? Seconds are shaved off of workflows hundreds of times a day, boosting productivity, communications efficiency and collaboration.



### Comprehensive enterprise-class voice support

#### Crystal clear voice with advanced audio features

Advanced noise cancellation, fine-tuned acoustics and a high quality speaker and microphone take voice clarity and quality to the next level on all voice interactions — even in noisy environments.

#### True hands-free voice

Workers can activate the WS101/WS101-H, turn the volume up and down, turn on mute, answer calls and more using spoken words — without touching the device.

#### Voice-enable your applications

The WS101/WS101-H badges can provide the user interface for voice-enabled applications running on the host mobile device. Now, workers can keep their hands free and use speech to launch, access and control voice-enabled applications. And applications with voice support can allow workers to simply ask for what they need in plain language — from a stock check in a retail store to a request for additional blankets for a specific patient room in a hospital.

#### Enable feature-rich push-to-talk

Compatibility with Zebra's Workcloud Sync enables push-to-talk calls over Wi-Fi and cellular networks. Workers can place 1-to-1 or group broadcast calls.

#### Call for help with the press of a button

One press of the duress button can connect to a host application to summon help for nurses in hallways and patient rooms in a hospital and associates in aisles and checkout lanes in a retail store. The button is perfectly placed, easy to access, but out of the way to eliminate accidental activation.

#### Silence calls with a press of the Do Not Disturb (DND) button

When voice calls aren't convenient or appropriate, this toggle switch can be programmed to suppress and reactivate voice calling.

**The WS101/WS101-H — the easy way to give retail and healthcare workers the power of hands-free voice on their Zebra Android mobile devices.**

For more information, please visit [www.zebra.com/ws101-ws101-h](http://www.zebra.com/ws101-ws101-h)

## **Two models meet the unique needs in healthcare and retail**

The traditional black retail model (WS101) features a 3.5mm audio jack to support a wired headset, plus a USB-C port to support charging via a standard cable. The blue healthcare model (WS101-H) eliminates the audio jack and USB-C ports to enable the more thorough disinfecting required in healthcare.

## **Built for comfort**

### **Featherweight for extreme comfort**

This miniature wearable device was designed with exceptional ergonomics. Weighing in at less than two ounces, less than two inches square and just over a half inch thin, workers won't even notice they are wearing the WS101/WS101-H.

### **Flexible wearing styles**

A clip mount allows workers to wear the tiny WS101/WS101-H on a lapel, collar, placket or pocket — or wear it around the neck on a lanyard.

## **Built to last**

### **Rugged and ready for all day use**

Drop it. Use it in dusty areas. Hose it off. The WS101 and WS101-H are built to handle it all, lasting years to provide a fast return on investment (ROI) and a low total cost of ownership (TCO).

### **Disinfectant-ready antimicrobial housing**

Shared devices are vulnerable to shared germs. That's why healthcare and retail models can be cleaned with the widest selection of disinfectants in the industry, making it easy for workers to disinfect the device at the start of their shift.

## **Easy to manage**

### **Device management made easy with EMM support<sup>2</sup>**

The same Enterprise Mobility Management (EMM) system you utilize to manage Zebra mobile devices can be used to manage your WS101/WS101-H Bluetooth badges, providing the simplicity of a single device management solution to manage all of your Zebra mobile devices and peripherals.

## **Easily find misplaced devices**

The WS101/WS101-H are easy to misplace — and so small that finding it in a store or hospital can be like finding a needle in a haystack. Zebra's Device Guardian<sup>3</sup> makes it easy, with its intuitive proximity indicator, map-based locationing for precise geolocationing and a real-time dashboard that shows the exact location and status of all of your Zebra devices.

## **Pair with any NFC-enabled mobile device in seconds**

With just a quick tap, workers can pair a WS101/WS101-H to any NFC-enabled Zebra mobile computer or tablet — no screens to navigate or connection profiles to access.

## **Always in service with a removable battery — and advanced enterprise battery features**

Since the battery is removable, the WS101/WS101-H are never out of service for charging. If a battery runs low, users can simply swap in a fully charged battery. The battery provides full shift power — up to 10 hours of continuous speech on a single charge. With fast charging, fully charged batteries are always on hand. And multi-slot chargers and cradles are ideal for enterprise backroom battery management. Charge the batteries in a 6-slot or 30-slot battery charger. Or charge the devices in a 4-slot or 20-slot cradle, complete with guard rails on both sides of the cradles to ensure devices are properly docked and charging.

## **Bluetooth 5.4 for the most advanced Bluetooth connections**

Bluetooth 5.4 offers the most efficient, stable and secure wireless connections for the most robust communications.

## **Compatible with Zebra's complete mobile device portfolio**

This wearable Bluetooth badge is compatible with all Zebra Android mobile computers and ET Series tablets.

## **Cover everything with a Zebra OneCare maintenance plan.**

Enterprise devices need an enterprise maintenance plan. And since we designed and built the WS101/WS101-H, nobody is more qualified than Zebra to help you keep your devices running at peak performance. Zebra OneCare Essential provides the coverage you need to maximize device uptime and device value. Coverage includes accidental damage and normal wear and tear, live technical support from 8am to 5pm in your timezone, and a 3-day turnaround time on repairs and more.

# Specifications

## Physical Characteristics

|                         |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions              | 1.89 in L x 1.89 in W x 0.59 in D (48mm L x 48mm W x 15mmD)                                                                        |
| Weight                  | With battery (no clip): 1.34 oz (38g)<br>With battery and clip mount: 1.59 oz (45g)                                                |
| Wearing Styles          | Clothing clip mount for lapel, collar or placket; Lanyard with badge clip                                                          |
| Field Replacement Parts | Battery; clothing clip                                                                                                             |
| Power                   | Li-Ion 480 mAh, 3.85V with up to 12 hours of continuous speech on a single charge using a battery with 100 charge/discharge cycles |

## Performance Characteristics

|                              |                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Speech-Directed Applications | Integrated speech processing and wake word                                                                         |
| Audio                        | High performance microphone with noise suppression                                                                 |
| Send Frequency Response      | 27 Hz to 20 kHz                                                                                                    |
| Microphone Sensitivity       | -26dBFS +/- 1dB                                                                                                    |
| Receive Frequency Response   | 300 Hz to 8 kHz                                                                                                    |
| Speaker Sensitivity          | 90 dB SPL @10 cm @1 kHz                                                                                            |
| Bluetooth                    | Bluetooth Class 1 and Class 2, v 5.4; Bluetooth Hands-free Profile (HFP 1.9), HSP 1.2, A2DP 1.6.2, SPP 1.2 profile |
| NFC                          | NFC tag used for Tap-to-Pair                                                                                       |

## User Environment

|                               |                                                                                                                                                                                                                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| User Interfaces               | Black SKU only: One 3.5 mm audio jack socket, One USB C receptacle<br>LED: Tri-color front LED status ring , single multi-color top status LED<br>Buttons: Volume Up, Volume Down, PTT, Call/Pair, Do Not Disturb (DND), Duress (All buttons are configurable except Call/Pair) |
| Operating Temp.               | +14F to +122F/-10C to +50C                                                                                                                                                                                                                                                      |
| Storage Temp.                 | -40F to +158F/-40C to +70C                                                                                                                                                                                                                                                      |
| Sealing Rate                  | IEC 60529: IP65                                                                                                                                                                                                                                                                 |
| Humidity                      | 5% to 95% non-condensing                                                                                                                                                                                                                                                        |
| Drop Rating                   | Multiple 4 ft (1.2m) drops to concrete across the entire operating temperature range                                                                                                                                                                                            |
| Tumble Rating                 | 1,000 1.64 ft./0.5 m tumbles at room temperature                                                                                                                                                                                                                                |
| Vibration                     | 2g peak, 5 Hz to 2 kHz, 1 hour duration per axis; Random: 0.02g <sup>2</sup> /hz, 20hz to 2khz; 1 hour duration per axis                                                                                                                                                        |
| Electrostatic Discharge (ESD) | +/-15kV air discharge, +/-8kV contact discharge                                                                                                                                                                                                                                 |

## Recommended Services

Zebra OneCare Essential; 3 or 5 year contract term; Keep your operations running smoothly with Zebra OneCare Essential — your hassle-free, all-in-one service solution for unmatched device performance and peace of mind.

## Warranty

Subject to the terms of Zebra’s hardware warranty statement, the WS101 and WS101-H are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, please visit: [www.zebra.com/warranty](http://www.zebra.com/warranty)

## Footnotes

1. Available on iOS in Q4 2025
2. EMM support available in Q4 2025
3. Device Guardian support available in Q4 2025

# Markets and Applications

## Healthcare

- Critical care clinical nurses
- Non-critical care clinical nurses
- Housekeeping
- Patient transport
- Lab/pharmacist technicians
- Phlebotomists
- Dieticians
- Maintenance staff

## Retail

- Frontline associates
- Cashiers
- Buy-online-pickup-in-store (BOPIS) staff



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