ZEBRA EWB100

MINIATURE PUSH-TO-TALK OVER WLAN VOICE COMMUNICATOR

PUT PRODUCTIVITY IN THE PALM OF THEIR HANDS

This tiny wearable device enables enterprises to empower virtually any task worker with the ability to send, receive and privately respond to PTT broadcast calls. The EWB100 brings a new level of portability and affordability to mobile voice, enabling easy deployment of cost-effective basic push-to-talk (PTT) communications to task workers inside the enterprise walls, within a single subnet, over virtually any 802.11b/g wireless LAN (WLAN). Weighing in at just over an ounce and a half, the tiny badge integrates a Wi-Fi radio, microphone, speaker and headset jack — yet is only 2.5 in. x 1.5 in. / 6.35cm x 3.8 cm. Now, employees can receive, place and respond to PTT broadcast calls as well as privately respond to a caller. As a result, annoying overhead paging systems can be eliminated, and task management and employee productivity are improved.

EASY TO DEPLOY

Extraordinarily easy to implement, the EWB100 integrates effortlessly with any voice-ready WLAN architecture — no servers or PBX integration required. The PTT client software is already loaded on the communicator — and with the included deployment application, you will be up and running in minutes. Simply load and launch the application on any PC, enter your network name and security settings, create talk groups and select the desired talk groups for specific devices. The EWB100 can also be managed via Zebra's Mobility Services Plaform (MSP).

GET YOUR DEVICES TALKING - AND IMPROVE OVERALL EFFICIENCY

Maximize the value of your mobility investment by enabling PTT communications between the EWB100 and existing Zebra mobile computers, EWP3100/2100 VoWLAN smartphones and two-way radios, allowing workers with different devices to reach each other easily and instantly.* The resulting ability to create integrated cross-functional workgroups helps ensure supervisors and employees can easily reach each other with the press of a button, improving overall operational efficiency and the effectiveness of your workforce — as well as the return on investment (ROI) for your other Zebra mobile devices.

TRULY WEARABLE — AND EASY TO USE

The unobtrusive and lightweight badge (EWB100) can be clipped on a shirt or worn around the neck or wrist with an optional lanyard. Intuitive walkie-talkie style communications and the simple 5-button interface is easy to use, virtually eliminating user training. For outbound group communications, the press of a button allows workers to scroll through and select the desired talk group (up to 8 available on each devices with 32 overall). The battery can provide power for a full 10- hour shift, further simplifying operation. Workers simply place the EWB100 in the charger at the end of a shift — no battery management required at the user level.

BUILT TO LAST

The EWB100 is built to endure all-day everyday use on the retail floor. Its 5ft./1.5m drop specification means it can handle the inevitable drops and bumps. IP54 sealing allows the EWB100 badge to endure exposure to dust, liquid spills and a wipe down at the end of each shift — especially critical when workers share a single pool of devices. And the sealed industrial headset adapter — complete with a built-in breakaway feature for user safety — provides a quality connection for the private communications that are crucial in sensitive environments.

FEATURES

Small, compact and lightweight: just 1.6 oz ./ 45.37g — and 2.5 in. L x 1.5 in W / 6.35 cm L x 3.81 cm W with integrated rotating clip and accessory attachment point

Brings a new miniature form factor to voice; unobtrusive in any environment; easy to carry — can be clipped to a shirt or belt, tucked in a pocket or attached to a neck or wrist lanyard

Push-to-Talk over WLAN

Provides convenient PTT communications for up to 63 users without the need for additional infrastructure; allows employees to address issues, answer questions, obtain a task or report completion of a task, right on the spot — no need to search for a phone, supervisor or co-worker; reduces or even eliminates the need for annoying overhead paging systems

802.11b/g

Wi-Fi compatibility allows you to leverage your existing WLAN; enables cost-effective voice wherever you have WLAN coverage

IP54 sealing

Delivers reliable performance despite exposure to dust and spills; enables wipe downs — ideal in environments where a single EWB100 is utilized by multiple workers

5 ft./1.5m drop specification

IMPROVE COLLABORATION BY GIVING YOUR WORKERS VOICE

The ability to put cost-effective voice in the hands of virtually every mobile worker inside your four walls strengthens and improves collaboration across your workforce. Processes are streamlined, staff utilization is increased and service and satisfaction levels are improved. Easy integration with your existing technology infrastructure improves the return on investment on your existing wireless LAN and Zebra mobile devices. (note: wireless coverage must be planned for all areas requiring voice services). In addition, Zebra's Service from the Start Advance Exchange Support helps keep your EWB100s in the hands of your employees, minimizing downtime with next-business-day replacement of any devices that require repair. This unique program includes Comprehensive Coverage, providing end-to-end and insideoutside protection for your EWB100s. Unexpected repair expenses are significantly reduced, providing service peace of mind from the date of purchase. And technical software support helps keep your devices running at optimal efficiency — and your employees connected to your critical business systems.

For more information on how the EWB100 can help improve efficiency in your enterprise, access our global contact directory at **www.zebra.com/contact**or visit **www.zebra.com/ewb10**

EWB100 Accessories

The EWB100 accessory family offers everything you need to support your deployment — including a 10-dock charging station, easy-wear wrist and neck lanyards as well as headsets for hands-free voice communications.

* The optional Radio Link solution is required for communications with supported Zebra two-way radios; the Push-to-talk Express client is required for communications with supported Zebra mobile computers.

Provides reliable operation despite drops and bumps

600mAh Li-ion internal battery

Provides ample power for extended shifts

Sealed headset jack

Highly durable headset jack supports multiple headset options; 15,000 insertion rating protects the reliability and quality of the voice connection throughout the life of the device; built in breakaway improves worker safety

Simple 5-button user interface

Easy to use and highly intuitive, practically eliminating the need for training

Top-facing speaker

Directs sound toward the user for peak acoustics; improves ease of use and performance; workers can hear throughout the day

High quality speaker and microphone

Motorola-class acoustic performance; easy to hear, even in noisy environments; based on best-in-class specifications for loudness, frequency response, distortion and echo/noise suppression technologies

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EWB100 SPECIFICATIONS

| PHYSICAL CHARACTERISTICS | ACCESSORIES |

Dimensions:	2.5 in. H x 1.5 in. W x 1.01 in. D 6.35cm H x 3.81cm W x 2.56cm D
Notification:	LED flash, Beep or WAV file
Weight:	1.6 oz./45.37g
Power	**Main Battery:** 600mAh Li-ion battery (internal) **Battery Life:** 10/50 Hours (Talk/Standby)*

USER ENVIRONMENT

Drop Specifications:	5 ft./1.5m drop to concrete, 6 drops per 6 sides at room temperature; 4 ft./1.2m drop to concrete across the temperature range
Operating Temp.:	14° F to 104° F/-10° C to 40° C
Storage Temp.:	-40° F to 158° C /-40° C to 70° C
Sealing:	IP54

WIRELESS LAN DATA AND VOICE COMMUNICATIONS

Antenna:	Internal
Data rates:	802.11b: up to 11 Mbps; 802.11g: up to 54Mbps
Frequency range:	All country dependent: 802.11b – 2.4GHz; 802.11g – 2.4GHz
Output power:	100mW U.S. and international
Voice services:	Walkie-talkie style (1:Many) and private response; supports up to 63 users and 32 call groups
WLAN:	IEEE® 802.11b/g Communications within a single WLAN subnet
Interoperability:	Zebra Mobile Computers (requires purchase/ download of appropriate client): • MC3190 Microsoft® Windows Mobile® 6.5 • MC3190 Microsoft® Windows® CE 6.0 • MC55A0 Microsoft® Windows Mobile® 6.5 • MC75A0, MC75A6 and MC75A8 Microsoft® Windows Mobile® 6.5 • MC9190 Microsoft® Windows Mobile® 6.5 and Microsoft® Windows® CE 6.0 • MC9598 Microsoft® Windows Mobile® 6.1 • MC9590, MC9596, MC9598 Microsoft® Windows Mobile® 6.5

10-dock charging station, headsets, wrist and neck lanyards

SECURITY

Open (no security), WEP 128 bit, WPA-PSK (TKIP) and WPA2-PSK (AES)

REGULATORY

EMC:	ICES 003 Class B, FCC Part 15 Class B, , EN 301 489-1, EN 301 489-17, EN 55022, EN 55024
Electrical Safety:	EN 60950-1:2nd ed+ A11, CAN/CSA-C22.2 No. 60950-1, UL 60950-1:2nd ed, IEC 60950-1:2nd ed
Environmental:	RoHS Directive 2002/95/EEC
RF:	EN300 328
RF Exposure:	FCC Part 2, OET Bulletin 65, RSS102, EN63211, EN 62209-2, IEC 62209-2

WARRANTY

The EWB100 is warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.

RECOMMENDED SERVICES

Customer Services:	Service from the Start Advance Exchange Support
MSP support:	The EWB100 can be managed by Zebra MSP; unit is compatible with MSP4.0 or greater.

The EWB100 is designed to provide instant PTT communications to users operating within a single WLAN subnet.

* Talk and Standby times vary based on shift and infrastructure profiles. Battery performance may be negatively impacted in high RF interference environments.

- VC5090 Microsoft® Windows® CE 5.0
- WT4090 Microsoft® Windows® CE 5.0

Zebra VoWLAN Smartphone (EWP2XXX/3XXX, – client is pre-loaded (included)

Two-way radios (requires Radio Link – see Radio Link spec sheet for further information)

ZEBRA TECHNOLOGIES