

**PRODUCT SPEC SHEET**

ZEBRA BLUETOOTH® IoT BRIDGES:  
MB5000 & MB6000 FIXED-LOCATION AND MOBILE IoT BRIDGES



# MB5000 & MB6000 IoT Bluetooth® Bridges

Zebra Bluetooth IoT Bridges gather critical location data for actionable business insights

Edge-data and IoT technologies are transforming today's industrial networks. Zebra Bluetooth® Low-Energy products are inexpensive relative to other active beacon solutions while providing all the capabilities of these technologies in an easy-to-manage solution. Zebra Bluetooth IoT bridges leverage Bluetooth® low-energy and Wi-Fi technologies and work in tandem with Zebra Bluetooth Beacons to provide real-time location data to help companies maximize business efficiencies.



### The Zebra MB5000 Fixed-Location IoT Bridge

#### Easy to deploy and manage

Zebra MB5000 Fixed-Location IoT Bridges are compact, aesthetically pleasing units which are easy to configure, install and manage. Zebra's IoT bridges capture Bluetooth® low-energy beacon signals which are then filtered and backhauled over Wi-Fi. Leveraging a pre-existing Wi-Fi network simplifies deployment and minimizes infrastructure costs.

#### Fully configurable

Fully configurable to meet custom requirements, Zebra Bluetooth IoT bridges deliver critical data for companies to analyze and convert into actionable business insights. Companies use the raw data gathered by Zebra bridges to identify asset location, improve workflows, and optimize productivity and profitability.

#### Secure and convenient

Protected with the best-of-breed security protocols, Zebra IoT bridges are easy to manage securely using 2.5GHz and 5GHz Wi-Fi with WPA/WPA2 personal and enterprise encryption. This allows configuration changes and network updates to be pushed remotely and en masse from a server without needing on-site support.

### The Zebra MB6000 Mobile IoT Bridge

#### Mobile and wearable to extend asset visibility

Zebra MB6000 Mobile IoT Bridges are secure and operate automatically. Users need only wear them. Mobile bridges offer the added value of wearable mobility to extend your asset visibility. Mobile bridges work with fixed-location bridges to form a comprehensive location-data solution configurable to your unique requirements.

**Zebra MB5000 & MB6000 IoT Bluetooth Bridges deliver the data your enterprise can use to give your operations a performance edge over the competition.**

For more information, visit [www.zebra.com/bluetooth](http://www.zebra.com/bluetooth)

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# MB5000 & MB6000 Specifications

## Ideal for These Applications

<b>MPACT-MB5000-01-WR</b>	
<b>Physical Characteristics</b>	
<b>Dimensions</b>	5.2" (132.3 mm) x 3.67" (93.3 mm) x 1.19" (30.2mm) including 3M® VHB tape
<b>Performance Characteristics</b>	
<b>Wireless Compatibility</b>	Wi-Fi 2.4GHz 802.11 b/g/n Wi-Fi 5GHz 802.11 a/n Bluetooth Smart (4.0 and 4.1)
<b>Wi-Fi Security Compatibility</b>	WPA/WPA2 Personal (PSK: TKIP/AES) WPA/WPA2 Enterprise (TKIP & AES: PEAP-MSCHAPv2)
<b>Antenna Type(s)</b>	Wi-Fi omni-directional Bluetooth directional patch
<b>Compatible Beacon Modes</b>	iBeacon™, MPACT, Battery Save and Securecast
<b>Location Capability</b>	Proximity or full x,y location with Zebra's Savanna Location Engine
<b>Location Engine/ Solution</b>	Zebra Savanna Location Engine/Zebra Motion Works Solutions or similar solutions
<b>Availability</b>	Available only as part of Zebra solutions and approved Zebra partner solutions
<b>User Environment</b>	
<b>Operating Temperature</b>	32° F to 104° F/0° C to 40° C
<b>Power</b>	5V dc USB cable and power adapter connected to a standard A/C wall outlet (use only Zebra-qualified USB cable and adapters, sold separately)
<b>Regulatory</b>	
<b>Classification</b>	EMI/EMC (FCC), safety (UL), Contact Zebra for country certification details
<b>MPACT-MB6000-01-WR</b>	
<b>Physical Characteristics</b>	
<b>Dimensions</b>	2.52" (64 mm) x 1.73" (44 mm) x 0.91" (23.2 mm)
<b>Performance Characteristics</b>	
<b>Wireless Compatibility</b>	Wi-Fi 2.4GHz 802.11 b/g/n Wi-Fi 5GHz 802.11 a/n Bluetooth Smart (4.0 and 4.1)
<b>Wi-Fi Security</b>	WPA/WPA2 Personal (PSK: TKIP/AES) WPA/WPA2 Enterprise (TKIP & AES: PEAP-MSCHAPv2)
<b>Compatible Beacon Modes</b>	iBeacon™, MPACT, Battery Save and Securecast
<b>Antenna Type(s)</b>	Wi-Fi omni-directional Bluetooth directional patch
<b>I/O (input/output)</b>	Input: Two buttons for on/off and control Output: Two multi-color LEDs
<b>Availability</b>	Available only as part of Zebra solutions and approved Zebra partner solutions

<b>User Environment</b>	
<b>Operating Temperature</b>	32° F to 104° F/0° C to 40° C
<b>Battery</b>	Lithium ion
<b>Battery Life Estimate</b>	12 hours on a full charge
<b>Battery Charging</b>	Requires the MB6000-CHRGR dock and A/C cable (sold separately, available from Zebra)
<b>Regulatory</b>	
<b>Classification</b>	EMI/EMC (FCC), safety (UL), Contact Zebra for country certification details
<b>MPACT-MB6000-CHRGR</b>	
<b>Physical Characteristics</b>	
<b>Dimensions</b>	7.78" (197.5 mm) x 5.41" (137.5 mm) x 1.68" (42.7 mm)
<b>Performance Characteristics</b>	
<b>What's Included</b>	10-slot charger (charges 1-10 MB6000s at once), power brick and charger cable (from brick to charger) included. The A/C cable from the wall to the brick is required and sold separately.
<b>Availability</b>	Available only as part of Zebra solutions and approved Zebra partner solutions
<b>User Environment</b>	
<b>Power</b>	Input: 120-240Vac 50/60Hz 2.4A Output: 12Vdc 4.16A (50W)
<b>A/C Cable</b>	Grounded A/C cable sold separately based on regulatory domain
<b>Warranty</b>	
Subject to the terms of Zebra's hardware warranty statement, the MB5000, MB6000, and MB6000 Charger are warranted against defects in workmanship and materials for a period of 12 months from the date of shipment. For the complete Zebra hardware product warranty statement, go to: <a href="http://www.zebra.com/warranty">http://www.zebra.com/warranty</a> .	

**Manufacturing**

- Inventory management
- Asset & tool management
- Automated receipt & invoicing
- Locate raw-in-process & work-in-process

**Transportation and Logistics**

- Parcel tracking
- Workflow management
- Resource optimization
- Load-in & load-out management
- Equipment & asset management

**Retail**

- Customer engagement
- Mobile marketing campaigning
- Inventory/equipment management
- Workforce optimization
- Maintenance management

The specifications herein are subject to change and actual performance will in some cases depend on product configuration and actual usage.



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