

FUJITSU Component Wireless Modules

Bluetooth® Version 4.1 Beacon

FWM8BLZ02-109042

Overview

A Bluetooth Version 4.1 beacon which can broadcast advertising data with selectable operating modes.



RoHS compliant

Features

- **OTA configuration mode**
In *Over-The-Air* (OTA) configuration mode, the beacon unit settings and advertising data can be re-configured by connecting to a central device wirelessly
- **LED status**
The Beacon status can be checked by the LED indicator
- **Long operation life with coin cell battery**
The Beacon is able to operate for more than 2 years with a CR2450 coin cell battery at a 1 second advertise interval



FWM8BLZ02-109042

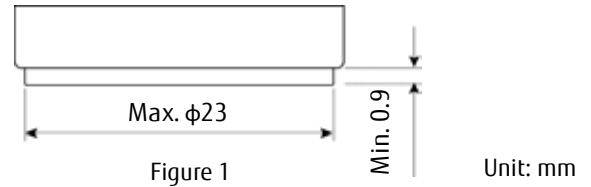
Applications

- Indoor navigation at stations, airports, exhibition halls
- Retail coupon issuing
- Logistics management
- Health care
- PoP (Point of Presence) for museums, expos, etc.

Item	Specifications
Part number	FWM8BLZ02-109042
Antenna	Pattern antenna
Bluetooth technology	Conforms to Bluetooth Version 4.1 technology
Transmit power	-16, -12, -8, -4, 0, +4 dBm
Power supply	CR family coin type lithium battery CR2450 (not include)
Operating temperature	-30°C to +60°C
Operating humidity	+20 to +80% RH
Weight	10g (without battery)
Dimensions	40 x 31 x 12mm
Certifications	Bluetooth qualification (QDID), Radio Act (Japan), FCC, IC, CE

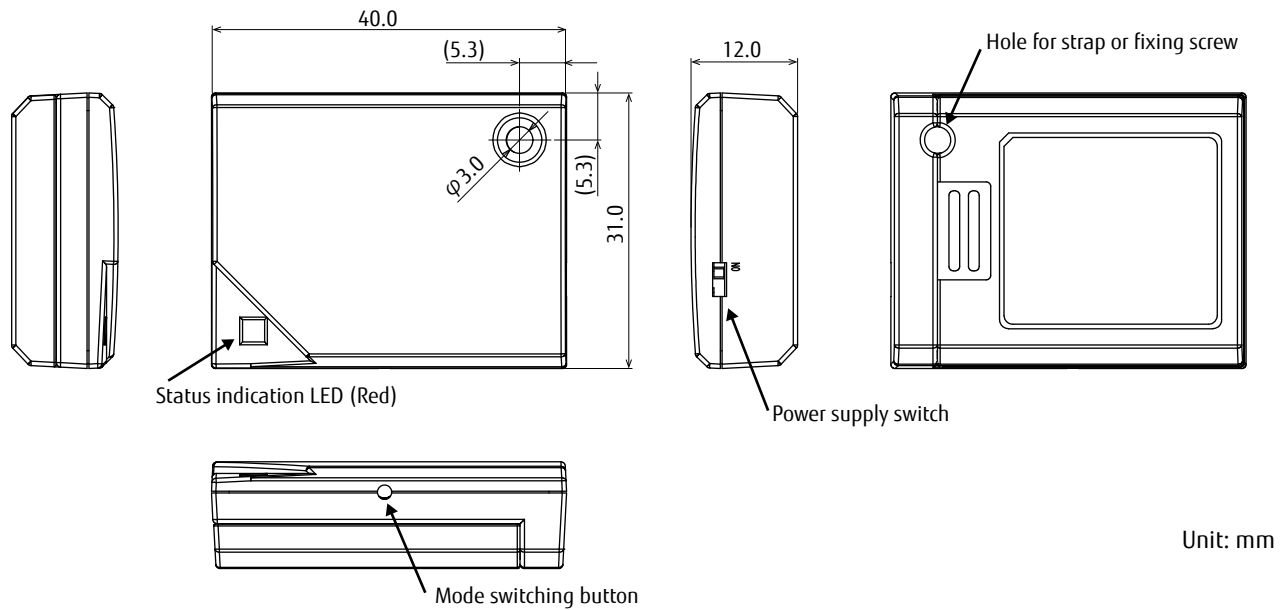
Battery specifications

Note: Use of coin type lithium battery CR2450
Please use the battery meets Figure 1 (minus electrode height min. 0.9mm, diameter max. 23 mm) to keep enough clearance between beacon holder and battery.



Dimensions

FWM8BLZ02-109042



Note: The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Fujitsu Component is under license. Other trademarks and trade names are those of their respective owners.

Contact

Japan
FUJITSU COMPONENT LIMITED
Shinagawa Seaside Park Tower
12-4, Higashi-shinagawa 4-chome,
Tokyo 140 0002, Japan
Tel: (81-3) 3450-1682
Fax: (81-3) 3474-2385
Email: fcl-contact@cs.jp.fujitsu.com
Web: www.fujitsu.com/jp/group/fcl/en/

North and South America
FUJITSU COMPONENTS AMERICA, INC.
2290 North First Street, Suite 212
San Jose, CA 95131 U.S.A.
Tel: (1-408) 745-4900
Fax: (1-408) 745-4970
Email: components@us.fujitsu.com
Web: http://us.fujitsu.com/components/

Europe
FUJITSU COMPONENTS EUROPE B.V.
Diamantlaan 25
2132 WV Hoofddorp
Netherlands
Tel: (31-23) 5560910
Fax: (31-23) 5560950
Email: info@fceu.fujitsu.com
Web: emea.fujitsu.com/components/

Asia Pacific
FUJITSU COMPONENTS ASIA, Ltd.
102E Pasir Panjang Road
#01-01 Citilink Warehouse Complex,
Singapore 118529
Tel: (65) 6375-8560 / Fax: (65) 6273-3021
Email: fcal@sg.fujitsu.com
www.fujitsu.com/sg/products/devices/
components/

China
FUJITSU ELECTRONIC COMPONENTS
(SHANGHAI) CO., LTD.
Unit 4306, InterContinental Center
100 Yu Tong Road, Shanghai 200070, China
Tel: (86 21) 3253 0998 / Fax: (86 21) 3253 0997
Email: fcal@sg.fujitsu.com
www.fujitsu.com/sg/products/devices/
components/

Hong Kong
FUJITSU COMPONENTS HONG KONG Co., Ltd.
Room 06, 28/F, Greenfield Tower, Concordia
Plaza, No.1 Science Museum Road,
Tsim Sha Tsui East, Kowloon, Hong Kong
Tel: (852) 2881 8495 Fax: (852) 2894 9512
Email: fcal@sg.fujitsu.com
www.fujitsu.com/sg/products/devices/
components/

Korea
FUJITSU COMPONENTS KOREA, LTD.
Alpha Tower #403,
645 Sampyeong-dong,
Bundang-gu, Seongnam-si,
Gyeonggi-do, 13524 Korea
Tel: (82 31) 708-7108
Fax: (82 31) 709-7108
Email: fcal@sg.fujitsu.com
www.fujitsu.com/sg/products/
devices/components/

Copyright

All trademarks or registered trademarks are the property of their respective owners. Fujitsu Components America or its affiliates do not warrant that the content of datasheet is error free. In a continuing effort to improve our products Fujitsu Components America, Inc. or its affiliates reserve the right to change specifications/datasheets without prior notice. Copyright ©2017 Fujitsu Components America, Inc. All rights reserved. Revised October 23, 2017

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Fujitsu:

[FWM8BLZ02-109042](#) [FWM8BLZ02A-109055](#) [FWM8BLZ02-109054](#)