

FUJITSU Component Wireless

Mesh Units: FWM8BLZ08A / FWM8BLZ08T

Mesh Sensor Units: FWM8BLZ08Y / FWM8BLZ08C

Overview

Endurance line of wireless Mesh units and Mesh sensor units featuring built-in Wirepas Massive network connectivity.

RoHS compliant



Features

- Powered by Wirepas Massive Mesh networks for various industrial IoT applications
- Flexible power source options: 4 AA batteries or USB-C. More than 5 year battery life with AA batteries. FWM8BLZ08T has wake-up/sleep function for further energy savings.
- Detachable installation bracket makes easy installation and maintenance. Screw holes for the secure mount on a wall, ceiling, or pillar. Double-side adhesive tape mount possible.
- Water resistant and dustproof: All our devices are IP65 rated. FWM8BLZ08A/T/Y are IP65 rated only when battery powered.
- White color is suitable for hospitals, offices, and schools. Every unit has a label with a Japanese traditional motif to identify the function.



FWM8BLZ08A



FWM8BLZ08T



FWM8BLZ08Y



FWM8BLZ08C

Applications

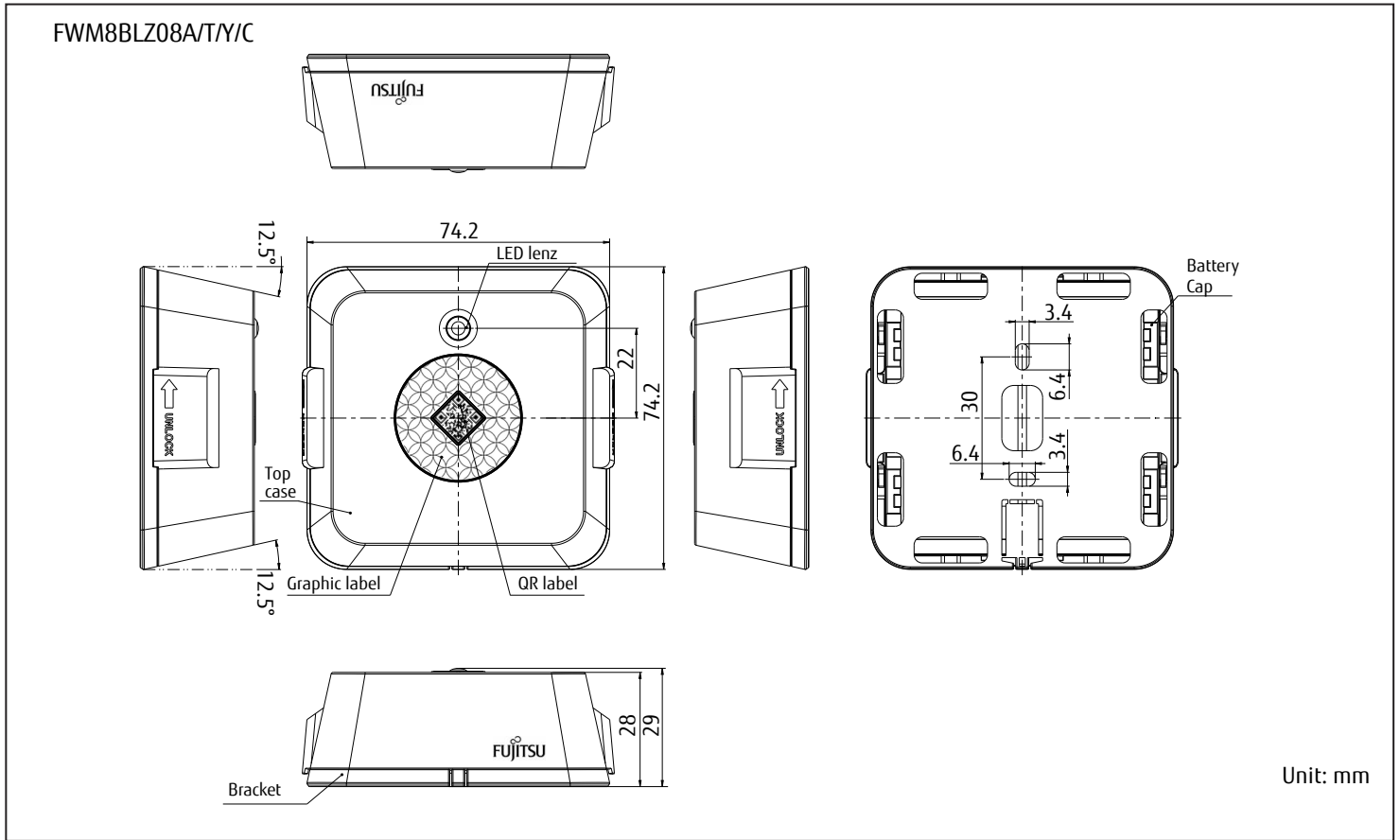
Asset management, Sensor network, Smart buildings, Smart factory, Smart city.

Specifications

| Item | Specifications | | | |
|-----------------------|--|---|--|----------------------|
| Type | Mesh unit (Anchor) | Mesh unit (Tag) | Mesh sensor unit | Mesh CO2 sensor unit |
| Part number | FWM8BLZ08A | FWM8BLZ08T | FWM8BLZ08Y | FWM8BLZ08C |
| Mesh technology | Wirepas Massive | | | |
| Antenna | Embedded (pattern antenna) | | | |
| Transmit power | +4dBm max. (adjusted automatically) | | | |
| IC | Nordic Semiconductor nRF52832 | | | |
| Power supply | 4AA batteries or USB-C | | USB-C | |
| Operating temperature | -20°C to +60°C | | -10°C to +60°C | |
| Sensor | 3-axis acceleration (Used for wake-up function. Data collection capability is not available.) | Temperature, humidity, barometric pressure, illuminance, 3-axis acceleration, sound level | CO2, temperature, humidity, barometric pressure, illuminance, 3-axis acceleration, sound level | |
| Water resistant | IP65* | | IP65 | |
| Dimensions / weight | 74.2 x 74.2 x 28.0 mm / approx. 75g (without battery) | | 74.2 x 74.2 x 28.0 mm / approx. 65g | |
| Certifications | FCC, ISED, CE, Radio Act Japan | | | |
| Other | Battery voltage notification | | n/a | |

Note: * IP65 rated only when battery operated.

■ Dimensions



■ Reference - enlargement of labels



FWM8BLZ08A



FWM8BLZ08T



FWM8BLZ08Y



FWM8BLZ08C

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.fcl.fujitsu.com/products/
 wireless-modules/

North and South America
 FUJITSU COMPONENTS AMERICA, INC.
 1230 E. Arques Ave., M/S 160
 Sunnyvale, CA 94085 U.S.A.
 Tel: (1-408) 745-4900
 Fax: (1-408) 745-4970
 Email: components@us.fujitsu.com
 Web: www.fujitsu.com/us/products/devices/
 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: www.fujitsu.com/uk/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 ©2021 Fujitsu Components America, Inc. All rights reserved. Revised August 24, 2021.