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

Wirepas

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

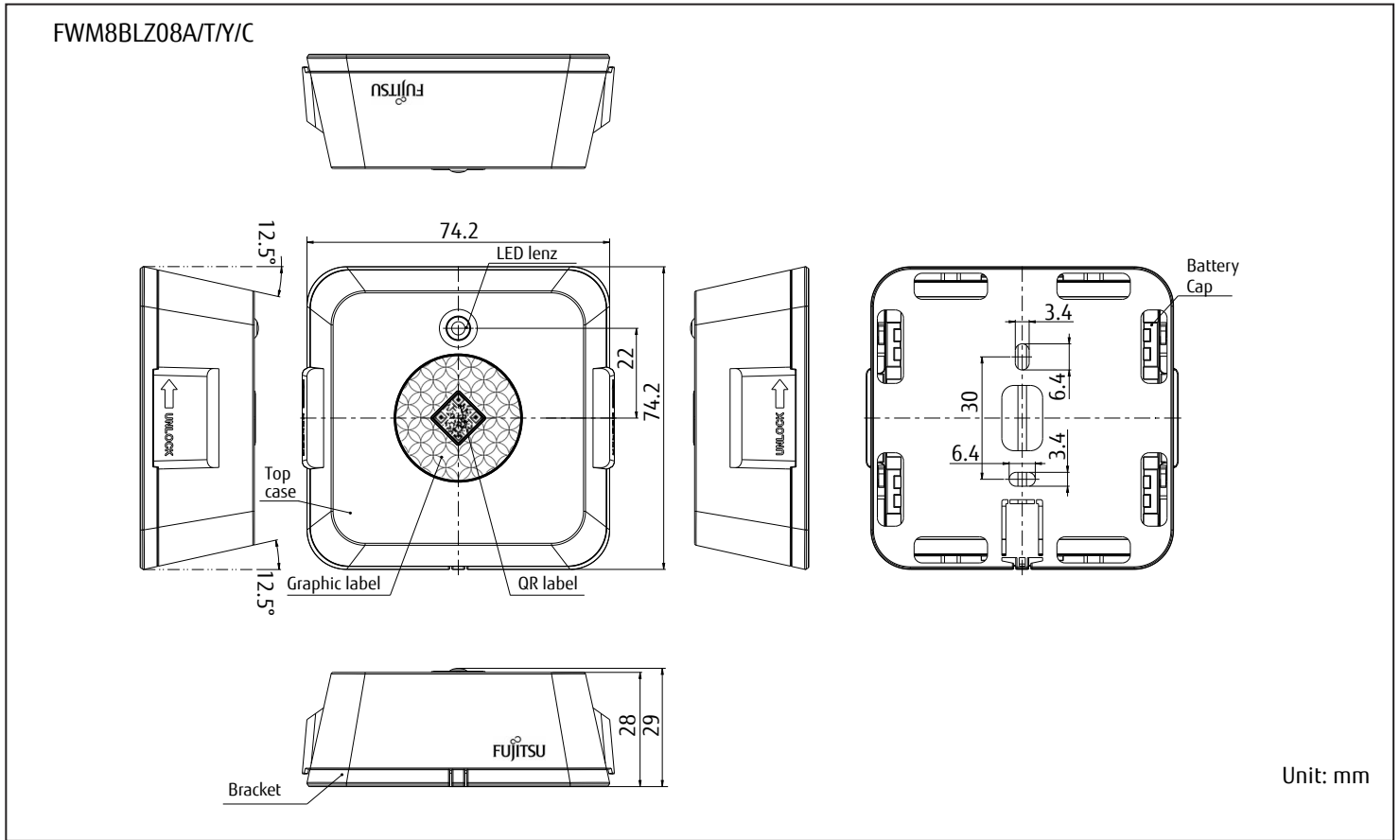FWM8BLZ08Y

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, baro-metric 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

FWM8BLZ08A/T/Y/C

74.2
12.5°
LED lenz
22
74.2
Top case
Graphic label
QR label
UNLOCK
Battery Cap
3.4
6.4
30
6.4
3.4
28
29
FUJITSU
Bracket
Unit: mm

■   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/