

# FCL Components 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 Mesh 2.4GHz network connectivity.

RoHS compliant



### Features

- Powered by Wirepas Mesh 2.4GHz 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

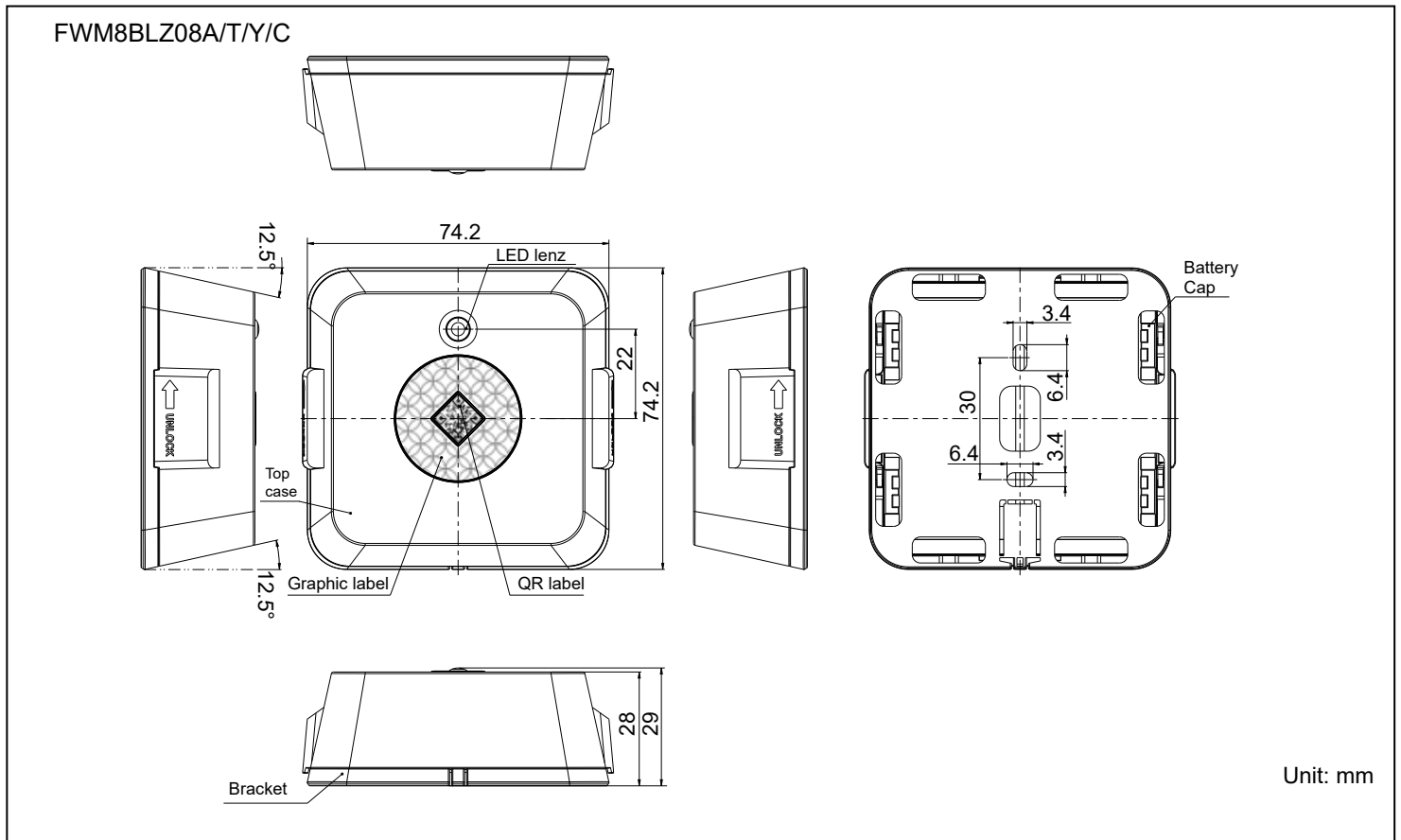
Asset management, Sensor network, Smart buildings, Smart factory, Smart city.

### 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 Mesh 2.4GHz			
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

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