

# FUJITSU Component Wireless USB Dongle FWM8BLZ09P / FWM8BLZ09T / FWM8BLZ08S

## Overview

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

## Features

- **Easily add Wirepas Massive functions to existing gateway or equipment with port:**  
**FWM8BLZ09P/T:** Make equipment with an USB port work as Wirepas Massive Anchor or Tag. E.g. connect it to USB port of laptop PC, it works as a tag to manage location of the PC  
**FWM8BLZ09S:** Gateway developers can build Wirepas Massive Gateway easily by inserting this product to existing gateways and incorporating Wirepas Massive Gateway software
- **Power supply via USB type A**
- **Small size:** 17.5 x 14.2 x 6.6 mm.  
Minimum projection from gateway or equipment with USB port
- **LED indicator:** LED lights turn on when power is turned on, which allows to check state of operation visually
- **Operation settings can be changed:**  
Operational parameters such as NODE\_ROLE (HEAD\_NODE/SUB\_NODE) setting, Bluetooth Low Energy advertise setting, can be changed easily.  
**FWM8BLZ09S:** Setting can be changed via USB (virtual UART) or Remote API function (wireless)  
**FWM8BLZ09P/T:** Setting can be changed via command AppCongig or Remote API functions (wireless)

## Applications

Wirepas Massive network repeater, indoor asset tracking, sensor network, etc.

RoHS compliant

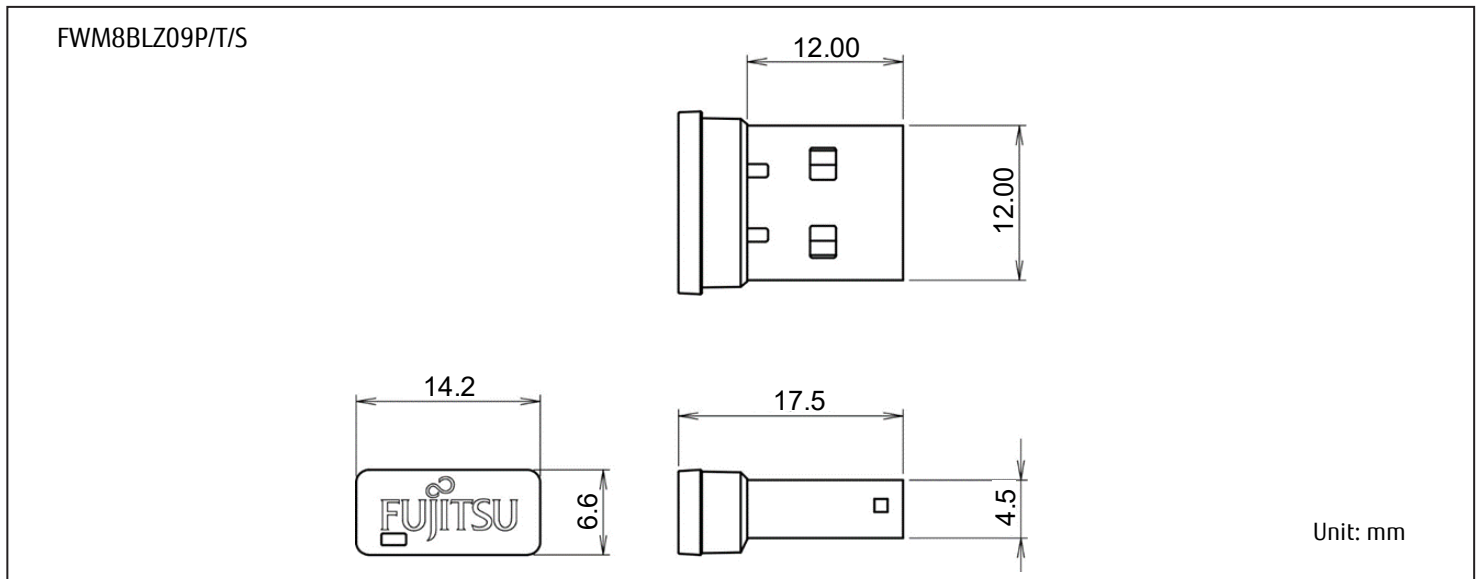


FWM8BLZ09

■ Specifications

Item	Specifications		
Type	USB Dongle (Anchor)	USB Dongle (Tag)	USB Dongle (Sink)
Part number	FWM8BLZ09P	FWM8BLZ09T	FWM8BLZ09S
Mesh technology	Wirepas Massive		
Transmit power	+8dBm max.		
Host interface	USB type -A (power supply only)		USB type-A, v2.0
Antenna	Embedded		
IC	Nordic Semiconductor nRF52833-CJAA		
Carrier frequency	2,400MHz to 2,483.5MHz		
Modulation	GFSK		
Symbol rate	1 Mbps		
Modulation index	0.5		
Number of channels	40 channels		
Channel spacing	2 MHz		
Operating temperature/ humidity	-30°C to +60°C / +20 to +80% RH (no frost)		
Dimensions / weight	17.5 x 14.2 x 6.6 mm / approx. 2g		
Certifications (planned)	Radio Act Japan, FCC, ISED, CE, RCM, RSM		

■ Dimensions



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/

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