

FUJITSU Component Wireless

USB Dongle

FWM8BLZ09P / FWM8BLZ09T / FWM8BLZ09S

Overview

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

RoHS compliant



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)



FWM8BLZ09

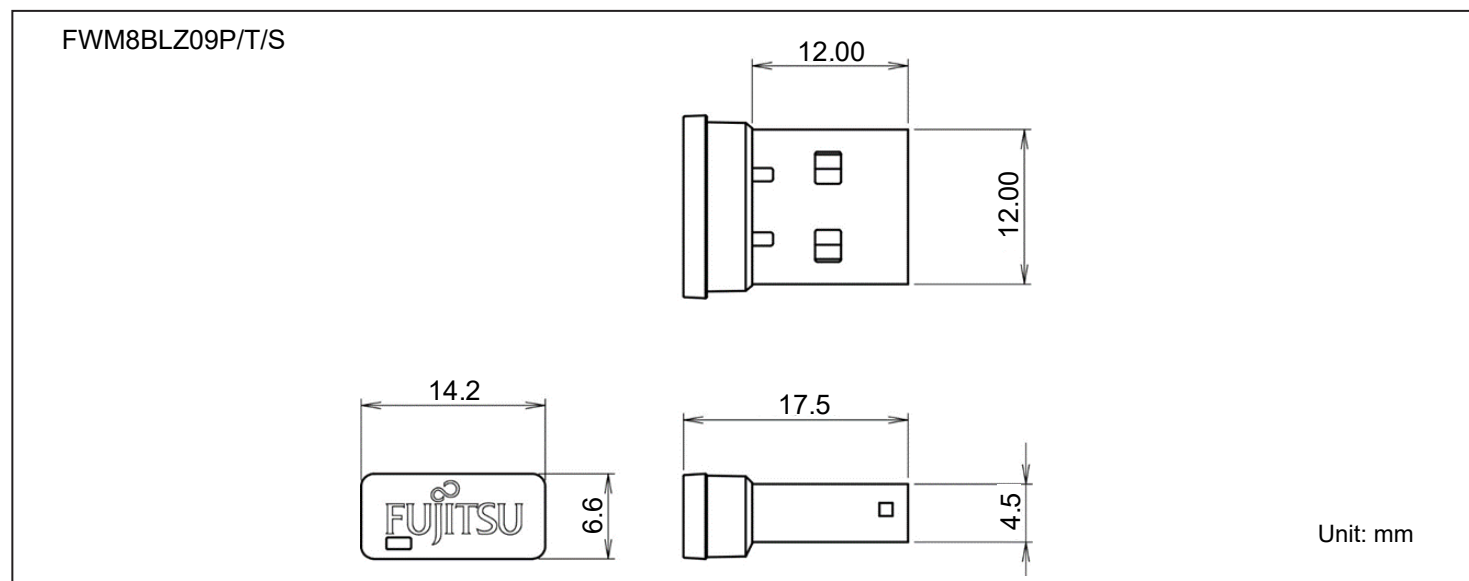
Applications

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

■ 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



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