

FCL Components Wireless USB Dongle FWM8BLZ09P / FWM8BLZ09T / FWM8BLZ09S

Overview

Endurance line of wireless Mesh units and Mesh sensor units featuring built-in Wirepas Mesh 2.4 GHz network connectivity.

Features

Easily add Wirepas Mesh 2.4 GHz functions to existing gateway or equipment with port:

FWM8BLZ09P/T: Make equipment with an USB port work as Wirepas Mesh 2.4 GHz 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 Mesh 2.4 GHz Gateway easily by inserting this product to existing gateways and incorporating Wirepas Mesh 2.4 GHz Gateway software

- Power supply via USB type A
- Small size: 17.5 x 14.2 x 6.6 mm. Minimum projection from gateway or equipement 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.
 FWM8BLZ09P/T: Setting can be changed via command AppCongig or Remote API functions (wireless)

Applications

Wirepas Mesh 2.4GHz network repeater, indoor asset tracking, sensor network, etc.

RoHS compliant

Wirepas

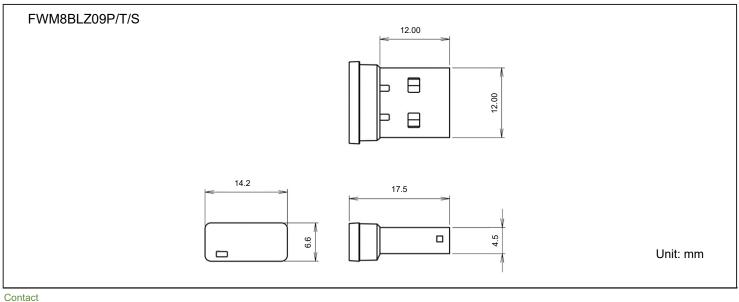


FWM8BLZ09

Specifications

Item	Specifications		
Туре	USB Dongle (Anchor)	USB Dongle (Tag)	USB Dongle (Sink)
Part number	FWM8BLZ09P	FWM8BLZ09T	FWM8BLZ09S
Mesh technology	Wirepas Mesh 2.4GHz		
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	Radio Act Japan, FCC, ISED, UKCA, CE, RCM, RSM		

Dimensions



Japan

FCL COMPONENTS LIMITED Shinagawa Seaside Park Tower 12-4, Higashi-shinagawa 4-chome, Tokyo 140 0002, Japan Tel: (81-3) 3450-1682 E: fcl-contact@cs.fcl-components.com North and South America FCL COMPONENTS AMERICA, INC. 2055 Gateway Place, Suite 480 San Jose, CA 95110 U.S.A. Tel: (1-408) 745-4900 E fcai.components@fcl-components.com

Europe FCL COMPONENTS EUROPE B.V. Diamantlaan 25 2132 WV Hoofddorp, Netherlands Tel: (31-23) 5560910 E info@fcl-components.eu

WEBSITE: www.fcl-components.com/en/

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