RTKYZ012A1B00000BE

☑ Active

PMOD Expansion Board for RYZ012x1

The PMOD Expansion Board for RYZ012x1 provides an entry point to evaluation and developing for the RYZ012A1/B1. The PMOD Expansion Board easily connects to Renesas MCU kits via the PMOD interface. And the PMOD Expansion Board can be controlled through an SPI or UART interface.
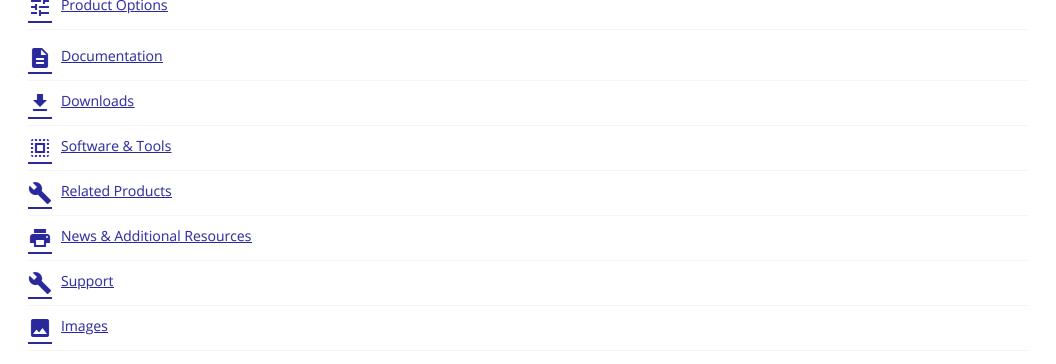
Features

- On-board RYZ012A1
- Easy connection to Renesas MCU kits via PMOD
- UART / SPI interface can be selected by pin
- Firmware written for Bluetooth® Low Energy (LE) operation
- Supported by the RA MCU family's Flexible Software Package (FSP) and the QE for BLE tool
- Driver for RX MCUs available

Applications

- Smart home
- Wearables & trackers
- Agriculture
- General phone connectivity
- Entry-level mass market products requiring basic Bluetooth LE functionality with minimum design and qualification effort

🔗 Quick Links

Product Options

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Part Count: 1	Buy / Sample
RTKYZ012A1B00Active	Buy / Quote (/buy-sample/check-inventory/result?show_price=1&exact=1&partno=RTKYZ012A1B00000BE)

🔖 Documentation

Title, start typing to filter ⇳	All types ⌄ ⬍	Format	File Size	Date ⬍
🔒 RYZ012 Bluetooth LE sample application (/document/apn/ryz012-bluetooth-le-sample-application?language=en&r=1547126) Related Files: Sample Code (/tw/en/document/scd/ryz012-bluetooth-le-sample-application-sample-code?language=en&r=1547126)	Application Note	PDF	2.01 MB	Dec 16, 2021

🔒 RYZ012x1 Bluetooth qualification acquisition Application Note (/document/apn/ryz012x1-bluetooth-qualification-acquisition-application-note?language=en&r=1547126)
Related Files: Sample Code (/tw/en/document/scd/ryz012x1-bluetooth-qualification-acquisition-application-note-sample-code?language=en&r=1547126) | Application Note | PDF | 1.08 MB | Jun 30, 2021 |

⬇ Downloads

Title	Type	Format	File Size	Date
🔒 RYZ012 Bluetooth LE sample application - Sample Code (/document/scd/ryz012-bluetooth-le-sample-application-sample-code?language=en&r=1547126) ⊞	Sample Code	ZIP	2.07 MB	Dec 16, 2021
🔒 RYZ012x1 Bluetooth qualification acquisition Application Note - Sample Code (/document/scd/ryz012x1-bluetooth-qualification-acquisition-application-note-sample-code?language=en&r=1547126) ⊞	Sample Code	ZIP	3.62 MB	Jun 30, 2021

🔧 Related Products

Product ID	Title
RYZ012x1 (/tw/en/products/interface-connectivity/wireless-communications/bluetooth-low-energy-modules/ryz012x1-bluetooth-le-module)	Bluetooth LE Module

⬚ Software & Tool Pages

Title	Type	Description	Company

Title	Type	Description	Company
Flexible Software Package (FSP) (/tw/en/software-tool/flexible-software-package-fsp)	Software Package	FSP is an enhanced software package designed to provide easy-to-use, scalable, high-quality software for embedded system designs using Renesas RA Family of Arm Microcontrollers. Note: FSP with e² studio Installer (Platform Installer) will install the e² studio tool, FSP packs, GCC toolchain and Segger J-Link drivers required to use this software. No additional installations are required.	Renesas
QE for BLE: Development Assistance Tool for Bluetooth® Low Energy (/tw/en/software-tool/qe-ble-development-assistance-tool-bluetooth-low-energy)	Solution Toolkit	Debugging support tool that specializes in Bluetooth® Low Energy system development [Plugin for Renesas IDE "e2 studio"] [Support MCU/MPU: RA, RX, RL78]	Renesas

🔧 Support

BLUETOOTH® LOW ENERGY FAQS ▶
(HTTPS://EN-SUPPORT.RENESAS.COM/KNOWLEDGEBASE/CATEGORY/31069)

WIRELESS MODULE FAQS (HTTPS://EN- ▶
SUPPORT.RENESAS.COM/KNOWLEDGEBASE/CATEGORY/31387)

GENERAL SUPPORT (/SUPPORT? ▶
NID=1547126&ISSUE_TYPE=TECHNICAL)

CONTACT A SALES REPRESENTATIVE ▶
(/BUY-SAMPLE/LOCATIONS)

🖼 Images

RTKYZ012A1B00000BE PMOD Expansion Board for RYZ012A1 (https://www.renesas.com/sites/default/files/rtkyz0

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