Technical Article

The Dual-mode Bluetooth® Module You've Been Waiting for Is Here

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It's here! Our new dual-mode *Bluetooth*® CC2564 module (CC2564MODA) enables developers to get their simple, low-power connectivity solutions to market quickly and easily. Featuring an integrated antenna and the flexibility to support multiple microcontrollers (MCUs) and microprocessors (MPUs), the module delivers best-in-class range and performance for a variety of audio, wearable, industrial, medical and Internet of Things (IoT) applications.

Why Is This Exciting?

Dual-mode Bluetooth CC2564 module with integrated antenna evaluation board (front)

It's easy to use – Having a module with an integrated antenna is a simple way for anyone to add Bluetooth to their system. Our new module allows for development with no prior RF expertise necessary.

It's a robust solution – The new CC2564 module speeds up time to market because of its certified RF design. The modules are Bluetooth 4.1 compliant and FCC/IC/CE certified, ensuring interoperability and providing a significant cost savings when transferred to end products.

It provides design flexibility – TI makes it easy to develop Bluetooth applications for multiple MCU/MPUs with the flexibility of multiple devices and tools, software and support. The new CC2564 module was designed to work with a wide variety of MCU/MPUs including TI's MSP430™ MCUs, TM4C MCUs and Sitara™ AM335x processors as well as options outside of our portfolio. TI also offers flexible software options for the module including a royalty-free TI-supported stack, with multiple profiles and sample applications for Bluetooth and Bluetooth low energy.

Where Do I Start?

The new dual-mode Bluetooth CC2564 modules are available now through the TI Store and through TI authorized distributors. Start the design process now by doing one of the following:

1. Order the modulesthrough TI.com or an authorized distributor
   a. The modules (CC2564MODA) are available for $8.70 in 1,000 unit volumes
2. Order an evaluation board (CC2564MODAEM) for $19.99
3. Request a sample

Want Even More Good News?

A BoosterPack™ plug-in module for this solution is now available to help kick-start your design along with software stack support on the MSP432™ MCU platform. For more information, documentation and more on the dual-mode Bluetooth CC2564 module with integrated antenna, click the button below.

Click here to learn more about the dual-mode Bluetooth CC2564 module with integrated antenna

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