

Stellaris® 2.4 GHz CC2560 Bluetooth® Wireless Kit

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Texas Instruments' Stellaris® 2.4 GHz CC2560 Bluetooth® Wireless Kit provides a robust, high-throughput wireless connection with extended range and power efficiency. The solution combines two of TI's most popular Stellaris microcontroller development kits (each sold separately), a Stellaris EM2 expansion board, and TI's proven 7th generation Bluetooth wireless technology with a complete, certified, production-ready CC2560-PAN1323ETU (Easy-to-Use) board. The Stellaris DK-LM3S9B96 and DK-LM3S9D96 development kits provide the full suite of tools an engineer needs to develop and prototype Bluetooth wireless technology applications with Stellaris.

The TI-supplied Bluetopia® software profiles included in this kit are provided royalty-free and under a free license. Bluetopia is a mature Bluetooth wireless technology solution that has shipped on millions of enterprise and consumer devices. The CC2560-PAN1323ETU module is a highly-integrated Class 2 HCI device offered by Panasonic using TI's CC2560 Bluetooth 2.1+ EDR Transceiver. It provides best-in-class Bluetooth wireless technology RF performance of +10 dBm typical transmit power, -93 dBm typical receiver sensitivity, and a data rate up to 2.1 Mbps.

The Stellaris Bluetooth wireless technology solution allows software application developers to become familiar with the operation of the CC2560-PAN1323ETU (Easy-to-Use) board evaluation module using their Texas Instruments' Stellaris embedded microcontroller platform and helps reduce development time, lower manufacturing costs, save board space, ease certification, and minimize RF expertise required.

- Included Software Sample Applications
 - Set up a Bluetooth wireless technology A2DP sink device
 - Communicate between devices using Serial Port Protocol (SPP)

Kit Contents



DK-EM2-2560B Kit Contents

The Stellaris® 2.4 GHz CC2560 Bluetooth® Wireless Kit provides the tools engineers need to set up and develop wireless applications right out of the box including:

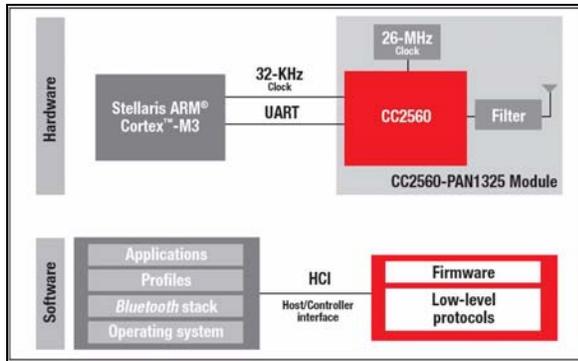
- 1 DK-LM3S9B96 EM2 Expansion Board (includes CD with tools and documentation)
- 1 CC2560-PAN1323 Bluetooth v2.1 + Enhanced Data Rate (EDR) Module
- 1 eZ430-RF2560 Bluetooth Evaluation Tool
 - 1 RF2560T target board
 - 1 USB stick in plastic housing
 - 1 battery board
 - 2 AAA batteries

Ordering Information

Product Number	Description
DK-EM2-2560B	Stellaris® 2.4 GHz CC2560 Bluetooth® Wireless Kit (includes DK-LM3S9B96-EM2 Expansion Board)

The DK-EM2-2560B works with either of these two Stellaris Development Kits (each sold separately)

DK-LM3S9B96	Stellaris® LM3S9B96 Microcontroller Development Kit (Tempest class)
DK-LM3S9D96	Stellaris® LM3S9D96 Microcontroller Development Kit (Firestorm class)



TI's Stellaris® 2.4 GHz CC2560 Bluetooth® Wireless Kit

Features

- Supports TI's proven 7th generation Bluetooth wireless technology with extended range and power efficiency
- Full-featured evaluation boards for hardware and software prototyping
- Software development kit including Bluetooth wireless technology software stack, Serial Port Profile (SPP), Advanced Audio Distribution Profile (A2DP), and Audio/Video Remote Control Profile (AVRCP)

Platform Partners

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For more information on Stellaris wireless solutions:
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PB-DK-EM2-2560B-01



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Cortex
Intelligent Processors by ARM

July 27, 2011

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