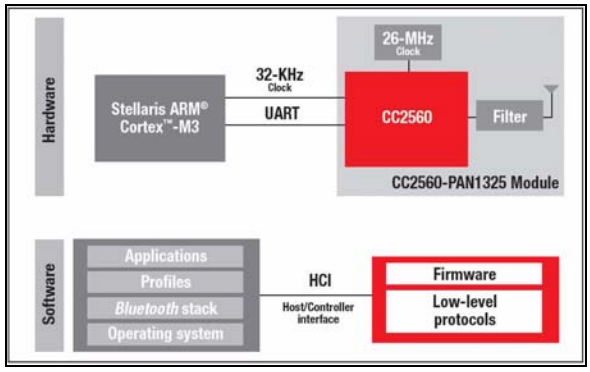
Stellaris® 2.4 GHz CC2560 *Bluetooth*® Wireless Kit

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.



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)
- 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)

Platform Partners

Panasonic
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www.stonestreetone.com

For more information on Stellaris wireless solutions:
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