



BES2710IM

Brief Datasheet

Ultra-low Power Bluetooth Platform for Wireless Connectivity

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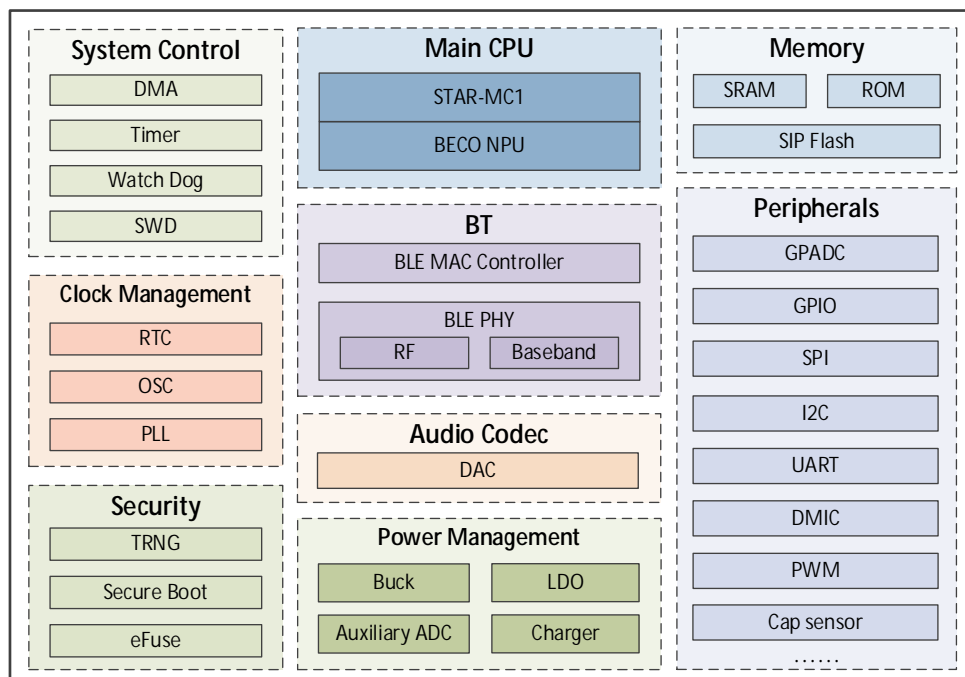
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1 General Description

The BES2710IM is an ultra-low power and highly integrated Bluetooth SoC designed for wireless connectivity applications. The platform incorporates a CPU subsystem comprising a STAR-MC1 processor with a BECO NPU, a BES proprietary coprocessor for advance signal processing and NN workloads, RAM/ROM, serial flash for software features and product customization, security extensions, as well as variety of interfaces.

The platform incorporates a Bluetooth Low Energy 5.4 subsystem, a codec subsystem and a Power Management Unit (PMU) with an integrated charger. The highly integrated design minimizes external components, reduces BOM costs and offers a cost-effective Bluetooth solution.



System Block Diagram

1.1 Applications

- BLE MCU for wireless connectivity

1.2 Features & Specifications*

CPU Subsystem	STAR-MC1
Memory and Storage	Shared 256 KB SRAM
	Flash in package
	boot ROM
Bluetooth Subsystem	Bluetooth Low Energy 5.4
Audio Features	1x DAC
Peripheral Interfaces	GPADC/GPIO/SPI/I2C/UART/DMIC/PWM.....
Package	36-L QFN

* The content in the table is subject to change without notice.