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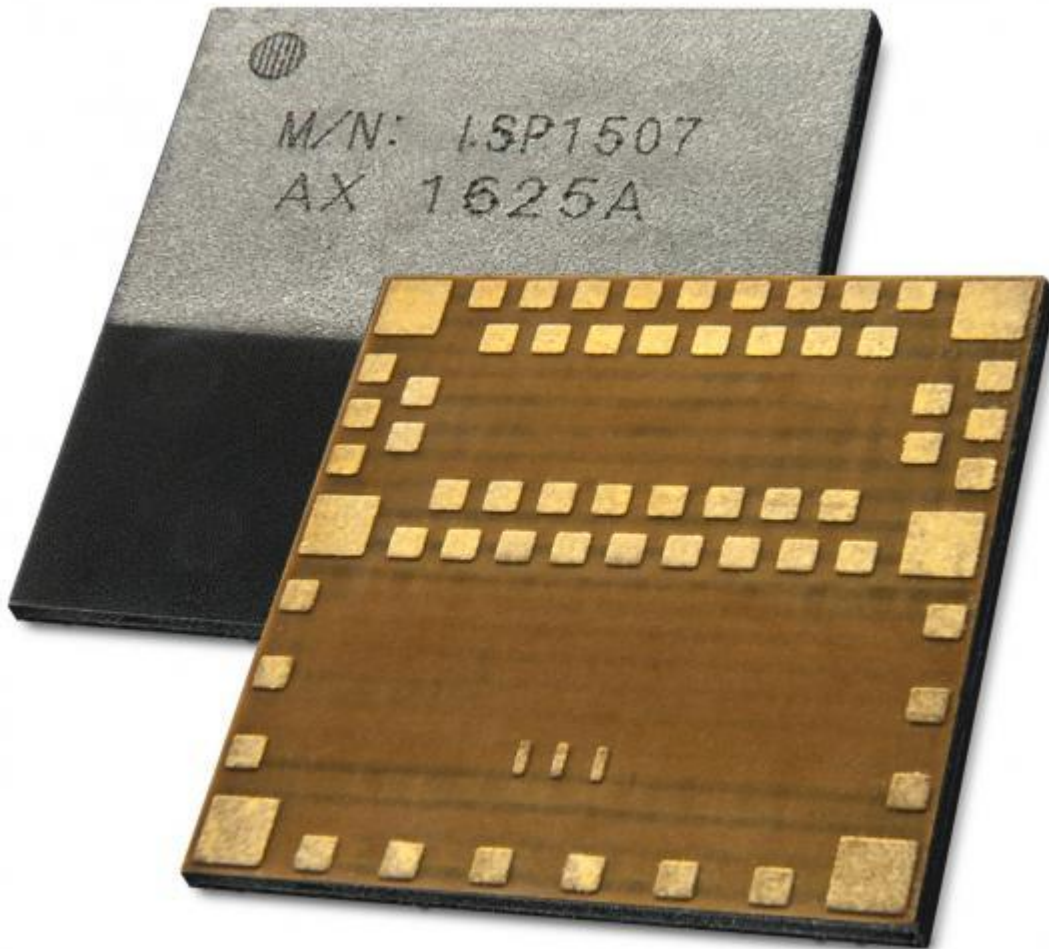
## Complete Bluetooth LE module shrunk to 8x8x1 mm

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0 Comments

September 06, 2016 // By Julien Happich

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**Building on the success of its ISP1300 series modules, Insight SIP is releasing the ISP1507 to offer customers the next generation in Bluetooth Low Energy Technology in a 8x8x1mm System-in-Package.**

The new module integrates Nordic Semiconductor's nRF52832 chip (running Bluetooth 4.2), offering a 32-bit ARM Cortex M4 CPU, 512kB of flash memory, analogue and digital peripherals SPI, I<sup>2</sup>C and GPIO. Combined with its integrated 32MHz and 32kHz crystal, RF antenna and matching circuit, this module forms a fully featured standalone Bluetooth Low Energy node.

It draws 5.5mA typical for transmission and reception, 1.5µA in standby mode and 0.7µA in deep sleep mode, ensuring best in class performance with a long battery lifetime. Transmission output power reaches +4 dBm and reception sensitivity is -96dBm.

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