



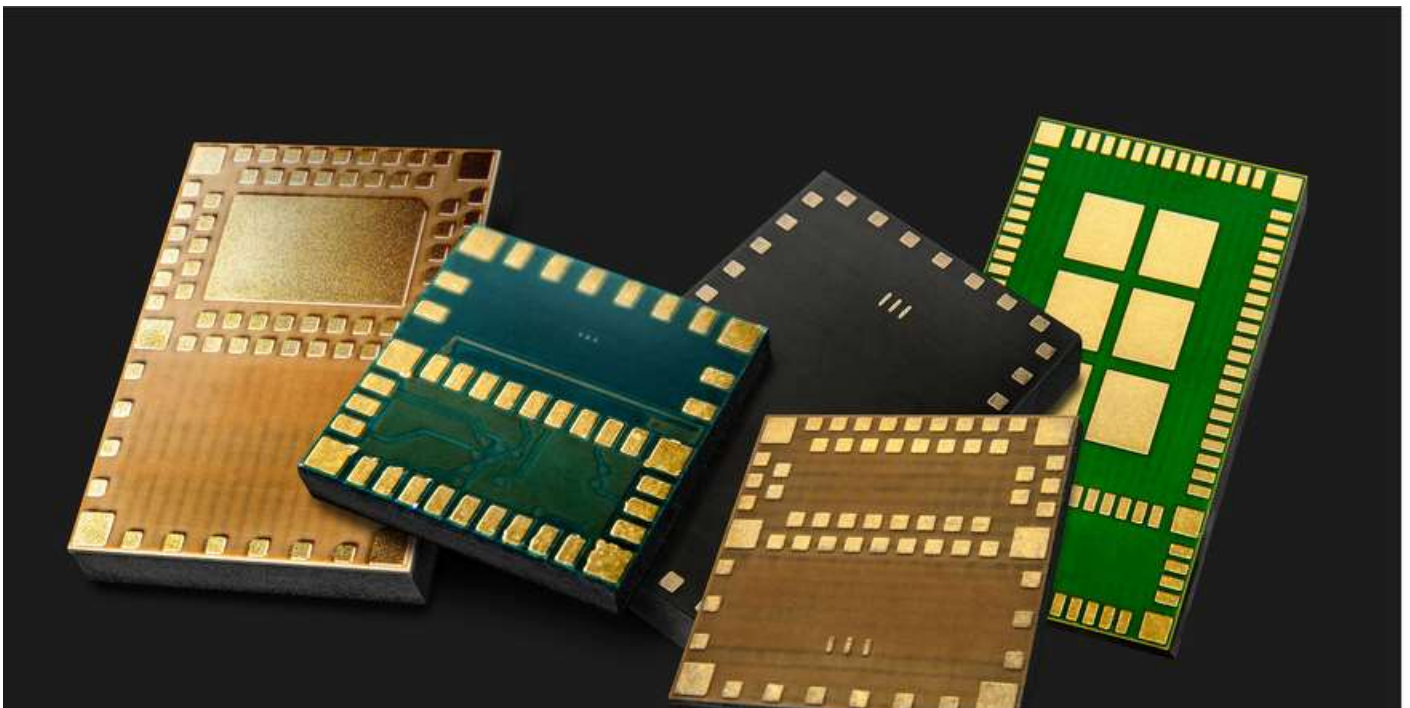
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### Components

## SiP Modules House Bluetooth & RF Antenna

by [Mathew Dirjish](#) | Jan 25, 2019 11:28am



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The ISP1507-AL BLE module from Insight SiP, a French technology company that specializes in radio frequency (RF) circuit miniaturization, system-in-package (SiP) technology, and antenna-in-package (AiP) solutions, features an ARM Cortex M4 floating point processor, which enables the new SiP to do fast calculations and manage all 13 I/Os, as well as analog and digital peripherals. Due to its small dimensions (8 mm x 8 mm x 1 mm), high performance, and wide range of functions, the ISP1507-AL BLE module is ideal for use in solutions that require fast processing and low power consumption. Target applications include IoT, industrial sensors, wearables, beacons, and home automation.

In addition, the ISP1507-AL BLE module features 192kB flash memory, 24kB RAM, and two integrated crystals (32MHz & 32kHz), which enable high performance operations. In many cases, the ISP1507-AL SiP can eliminate the need for an additional microprocessor or additional memory that might have been required for previous generation products, saving cost of the total solution. Completing the new SiP's features are an antenna and various interfaces, including SPI, I2C, UART, and ADC.

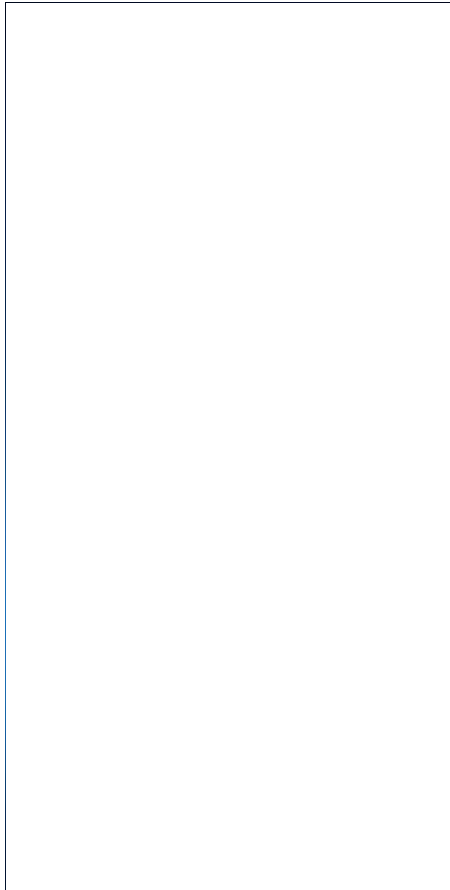
The ISP1507-AL BLE module supports Bluetooth 5.0, ANT+, and various other mesh protocols. The optional NFC antenna allows touch-to-pair functionality for increased user convenience. Since the ISP1507-AL SiP is based on the Nordic nRF52810 SoC, Nordic's software stacks can also be



The new ISP1507-AL BLE module is now available for purchase at [Rutronik24](#). For more details and specs, visit [Insight SiP](#).

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