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Bluetooth and RF Antenna System-in-Package Modules from Insight SiP Now Available at Rutronik24

As one of the smallest fully integrated devices on the market, the new ISP1507-AL system-in-package modules offer complete solutions for implementing Bluetooth Low Energy (BLE) and ANT+ RF connections

PLANO, TX (January 24, 2019) – [Rutronik](#), a leading global broad-line stocking distributor of a comprehensive range of electronic components, semiconductors, and products and technology solutions for IoT and embedded systems, has announced that [Insight SiP](#)'s new ISP1507-AL system-in-package (SiP) is now available at [Rutronik24](#). Based on the nRF52810 multiprotocol system-on-chip (SoC) from Nordic Semiconductor, the ISP1507-AL is one of the smallest fully-integrated BLE modules on the market, and is particularly suitable for mesh relay nodes and price-sensitive IoT applications.

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 x 8 x 1mm), 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.

“The new ISP1507-AL module from Insight SiP truly represents the state of the art in Bluetooth module technology,” said Mary Ellen Bauchman, director, Product Marketing North America at Rutronik. “As the smallest fully integrated BLE module available on the market, the ISP1507-AL device provides a complete solution for Bluetooth Low Energy and ANT connections. With its miniature size, high performance, and wide range of integrated functions, the new module offers an ideal solution for complex applications that require fast processing and low-power consumption.”



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-A 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 used for the new module. In addition, the new ISP1507-AL SiP is pin-compatible to the related modules, including the ISP1507-AX and the new ISP1807-LR, which will be available in early 2019.

The new ISP1507-AL BLE module from Insight SiP is now available for purchase at [Rutronik24](https://www.rutronik24.com/).

About Insight SiP

[Insight SiP](https://www.insightsip.com/) serves the market with turn-key design services and creative packaging solutions to customers who need highly integrated systems to meet the space requirements for wireless and portable devices. Experts in custom multi-die RF circuit miniaturization, system-in-package (SiP), and antenna-in-package (AiP) designs, Insight SiP also provides ready-to-use RF modules for Bluetooth Low Energy (BLE) applications, such as telecom and mobile computing, portable consumer devices, healthcare, automotive – connected cars, industrial, and Internet of Things (IoT). With headquarters in the south of France, Insight SiP has sales offices in the U.S., Japan, and a worldwide distribution network. For more information about Insight SiP, please visit: <https://www.insightsip.com/>.

About Rutronik

[Rutronik](https://www.rutronik24.com/) is a global, privately held, broad-line, stocking distributor currently ranked as the third largest European electronic components distributor, and the eleventh largest worldwide with annual sales of 1.5 billion. Their product range includes semiconductors, passive and electromechanical components, as well as embedded boards, storage technologies, displays and wireless products. Primary target markets include automotive, medical, industrial, home appliance, energy, and lighting. In addition to a comprehensive line of components, Rutronik delivers consulting services for technical, commercial, and logistical issues, with unparalleled service and technical support to customers worldwide. Their e-commerce site, Rutronik24, provides customers worldwide 24/7 component procurement and personalized customer support.



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The nRF9160 - which will be available within the next 24 hours from major global distributors such as Digi-Key Electronics, Mouser Electronics, and Premier Farnell (amongst others) - is significantly smaller, lower power, and has more security features than other cellular IoT module launched to date for both LTE-M...

[Nordic nRF91 low power cellular IoT 'sneak peek' - cellular made easy, cellular for everything else](#)

Oslo, Norway - January 22, 2018 - Nordic Semiconductor today provided a 'sneak peek' of its upcoming nRF91® Series low power cellular IoT solution. During an event in Oslo, Nordic also demonstrated the nRF91 operating on the Verizon Wireless Network in the U.S. and on the Telia network in Norway. The...

[Miniaturized Bluetooth Smart system-in-package module removes need for RF expertise when developing smallest smartphone accessories and sensors](#)

Oslo, Norway - May 15, 2014 - Ultra low power (ULP) RF specialist Nordic Semiconductor ASA (OSE: NOD) today announces that French multi-die system-in-package (SiP) design specialist, Insight SiP, has developed a miniaturized Nordic nRF51822 System-in-Package (SiP) Chip-based Bluetooth® Smart module that requires no specialist RF engineering experience to employ and targets highly space constrained smartphone and tablet accessories,...

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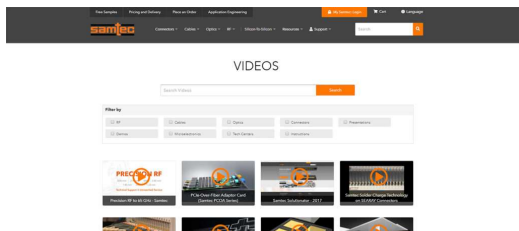
[**Sunday Brunch Video for 10th February 2019**](#)

Feb 10, 2019

<https://youtu.be/evsNzak23b4> Made at Cadence basketball

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[**January 2019 Web Updates to Samtec.com**](#)

Feb 8, 2019

In January of 2019, we wrapped up a few smaller projects that we have been working on to increase the presence of videos across Samtec.com. We also released a couple of updates to



can industry standard ecosystem of the module, as well as our product configurator. Here are the ...

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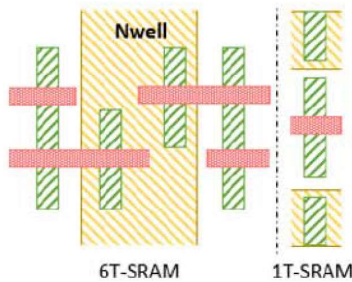


Mentor at DVCon 2019

Feb 7, 2019

Mentor, a Siemens Business will have experts presenting conference papers and posters, as well as hosting a luncheon, panel, workshop, and tutorial at DVCon 2019 February 25-28 in San Jose, CA. You'll also find experts on the exhibit floor in booth #1005. Special guest Fr...

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Jan 25, 2019


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This video shows the Synopsys PHY IP for PCI Express (PCIe) 5.0 operating at 32 GT/s data rate across a long compliance channel. The

wide open receiver eye and the data tap plots show the PHY meeting the PCIe 5.0 specification for performance and bit error rate. Accelerate your shift to PCIe 5.0 designs with the Synopsys DesignWare Controller and PHY IP solutions.

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featured paper



Power Management for the Smart Building Design Guide

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This design guide reviews new trends underlying smart building technology and its associated system challenges. Through case studies, the guide will examine smart building power management solutions to reduce size, improve system safety and reliability, and increase energy efficiency for modern building control systems and smart building automation.

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featured chalk talk

Migrating from 3G to LTE – ...



Migrating from 3G to LTE

Sponsored by Digi International and Mouser Electronics

If your company infrastructure is converting from 3G to LTE, you've got a lot to think about. You'll want to rethink the entire installation from antennas to routers, and even reconsider your choice of carriers. In this episode of Chalk Talk, Amelia Dalton chats with Randall Kerr of Digi about demystifying the transition to LTE in your operation.

[Click here](#) for more information about Digi International TransPort Routers

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