

# PRESS RELEASE

PRESS RELEASE

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## Cooperation: Technology developers and hardware specialists create application-oriented sensor network solutions

AMBER wireless GmbH and the Fraunhofer Institute for Integrated Circuits IIS will launch their cooperation in the area of wireless fully intermeshed sensor networks at embedded world 2014. Users and providers of sensor network solutions will be able to obtain system designs, support, and effective communication modules from a single supplier. This opens up new ways to network home and building technology, to automate process in transport and logistics, and to reduce costs in the health industry.



The core components of the "AMB8627-s-EV" evaluation kit are the s-net® technology from Fraunhofer IIS and the "AMB8627-s" compact radio modules from AMBER wireless.

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**FRAUNHOFER INSTITUTE FOR INTEGRATED CIRCUITS IIS**

Sensor networks are today mooted as a solution in almost all areas of daily life where processes need to be optimized, efficiency improved, and costs saved. The realization of various solutions requires a perfect combination of consultation, hardware modules, radio protocols, and system integration. Heinz Brych, CEO of AMBER wireless, explains: "The cooperation between AMBER wireless and Fraunhofer IIS provides market-ready sensor network solutions as an ideal basis for various automation applications." Jürgen Hupp, head of department "communication networks" at Fraunhofer IIS, adds: "The energy-efficient s-net radio protocol for self-organized multi-hop sensor networks opens up new possibilities for building and home automation, for the growing market in process automation for the transport and logistics sector, and for the healthcare business. The close cooperation with AMBER wireless allows us to develop technological solutions that take our customers' varying requirements into consideration."

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**High-quality, cost-efficient sensor networks**

Potential customers can get to know the "AMB8627-s-EV" evaluation kit at embedded world from February 25th to 27th, 2014, in Hall 4, Stand 668 (AMBER wireless) and Stand 140 (Fraunhofer IIS). There will be further chances to test our enhanced range of fully meshed sensor networks at HMI in Hanover in April as well as European Utility Week in Amsterdam and Electronica in Munich in November.

**AMBER wireless GmbH**, the specialist for wireless connectivity

AMBER wireless GmbH focuses on solutions for wireless sensor networks, building automation, medical/healthcare, logistics, automatic meter reading, and smart homes. It is an owner-run German electronics company with locations in Cologne (headquarters) and Trier that specializes in the development, manufacture, and sale of products that use wireless data transmission.

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The **Fraunhofer-Gesellschaft** is the leading organization for applied research in Europe. At present, the Fraunhofer-Gesellschaft maintains 67 institutes and independent research units. The majority of the more than 23,000 staff are qualified scientists and engineers, who work with an annual research budget of 2 billion euros.

Founded in 1985, **Fraunhofer Institute for Integrated Circuits IIS** in Erlangen, Germany, ranks first among the Fraunhofer Institutes concerning headcount and revenues. As the main inventor of mp3 and universally credited with the co-development of AAC audio coding standard, Fraunhofer IIS has reached worldwide recognition. In close cooperation with partners and clients the Institute provides research and development services in the following areas: Audio & Multimedia, Communications Systems, Energy Management, IC Design and Design Automation, Imaging System, Medical Technology, Non-destructive Testing, Positioning, Safety and Security Technology, Sensor Systems plus Supply Chain Management.

More than 780 employees conduct contract research for industry, the service sector and public authorities. Fraunhofer IIS with its headquarters in Erlangen, Germany, has further branches in Nuremberg, Fuerth, Wuerzburg, Ilmenau, Dresden, Bamberg, Deggendorf und Coburg. The budget of more than 102 million euros is mainly financed by projects. Less than 25 percent of the budget is subsidized by federal and state funds.

Detailed information on [www.iis.fraunhofer.de](http://www.iis.fraunhofer.de).