Acconeer develops new smaller Entry Module targeting presence use case

After the success with XM132 Entry Module released last year, Acconeer now extends the Entry Module family with a smaller, lower priced version targeting the presence use case. The new module will be called Entry Module XM131 Presence and will be available on the market in Q1 2022.

Optimized for the presence use case, the Entry Module XM131 Presence will have a solderable design featuring the A111 radar sensor along with an ARM Cortex M0 microcontroller unit (MCU), working with 1.8V power supply. By only allowing 1.8V power supply the number of components is kept to a minimum, which enables a smaller form factor as well as a price set out to compete in a market segment traditionally dominated by technologies such as ultrasound or infrared sensors. In addition to lowering the price, reducing the number of components related to power regulation also minimizes environmental impact for customer products where 1.8V is already available in the system.

XM131 will come with a software specifically developed for the presence use case, which means that it will run a unique module server and have its own SDK. With a module and software specifically designed for presence applications a range of innovative use cases are enabled at a competitive price point. For example, XM131 can be used to detect people in a room or to trigger wake-up and lock functionality of devices. For customers who are interested in using the XM131, it is possible to already now start the evaluation based on XM132 in order to be ready for production soon after the launch of XM131 early next year. The new module will be available in tape-and-reel format, making it easy for customers to put it into mass produced products.

“Using Acconeer´s new entry module XM131 opens up for a cost-efficient presence detection application, easy integration with optimized form factor. XM132 has been a great success and it will be exciting to see how the market receives the new entry module XM131” says Mikael Rosenhed, Head of Product Management.

The ARM Cortex M7-based XM112 High-Performance Module was released in December 2018, to let customers evaluate their use cases on an embedded system with high performance. In October 2019, the XM122 IoT Module was launched targeting connected battery-powered use cases, combining the A111 radar sensor with an ARM Cortex M4 MCU and integrated connectivity such as Bluetooth. The first module in the Entry family, XM132 was launched in September 2020 and has been very popular thanks to its integration-ready, solderable design.

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About Acconeer AB

With ground-breaking technology, Acconeer has developed a radar sensor that opens a new world of interaction. Acconeer Micro Radar Sensor, with low power consumption, high precision, small size and high robustness, is a 60GHz robust and cost-effective sensor for detection, distance measurement, motion detection and camera-supported applications with low power consumption. Acconeer combines the advantage of low power consumption with highly accurate pulsed radar systems of coherent radar, all integrated into a component with a surface area of only 28 mm2. The radar sensor can be included in a range of mobile consumer products, from smartphones to wearables, but also in areas such as robots, drones, the Internet of Things, healthcare, automotive, industrial robots and security and monitoring systems. Acconeer is a semiconductor company and, as a business model, sells hardware to manufacturers of consumer electronics products. Acconeer is listed on Nasdaq First North Growth Market with the ticker code ACCON, Redeye is the company's Certified Advisor (CA) and can be contacted via telephone +46(0)8 121 576 90 or via e-mail certifiedadviser@redeye.se.