Acconeer announces new module variants designed to solve component shortage for modules

The modules are variants of the company's popular Entry Modules for which there has been a shortage of ARM Cortex M0 microcontroller units (MCUs). The new modules, called XM124 and XM123, will feature the A111 pulsed coherent radar sensor together with a more powerful ARM Cortex M4 MCU while still being sold at an attractive entry-line price point.

CEO Lars Lindell comments: "By extending our module portfolio using an M4 microcontroller and a high-volume commitment from our selected MCU supplier, we have now managed to secure supply of enough MCUs for our modules to solve the issue with component shortages for the rest of the year. This means that we will be able to produce these new modules, as well as produce and re-stock the popular XM132 Entry Module which has been sold out for a long time."

The new modules will have a solderable design featuring the A111 radar sensor along with an ARM Cortex M4 microcontroller unit (MCU) from ST Microelectronics and their ultra-low-power MCU platform. The form factor for both XM124 and XM123 will be the same, with a footprint of only 15x18,6 mm which will become the new standard for modules featuring the A1 sensor family including both A111 and the upcoming A121.

The XM124 will come with support for the full Acconeer radar system software (RSS), while the XM123 will have a software optimized for the people presence and motion detection use cases.

The ARM Cortex M7-based XM112 High-Performance Module was released in December 2018, allowing 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. It was followed by the smaller Entry Module XM131 Presence, launched in April 2022 and optimized for the people presence and motion detection use cases.

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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. For more information: www.acconeer.com.