Developer kit facilitates fast development of batteryless wireless solutions

EnOcean announced the availability of its new developer kit, EDK 350U, for the North American market. The kit covers the entire product range in 902 MHz, from energy harvesting and wireless modules to ready-made product solutions. The new kit is part of a modular concept with which the company can offer OEMs a customized development platform for fast integration of energy harvesting wireless into building and industrial automation, smart home as well as machine-to-machine systems. The new developer kit's central element is a universal programmer board EOP 350. In combination with EnOcean's DolphinStudio PC software, the kit provides application development, configuration and programming for EnOcean wireless modules targeted for the OEMs unique needs. The complete EDK 350U includes a suite of EnOcean products: TCM 320U (line-powered transceiver module), STM 300U (universal wireless sensor module), ECO 200 (mechanical energy converter), PTM 330U (transmitter module for ECO 200), PTM 210U (energy harvesting switch module), STM 33xU (solar-powered temperature sensor module), USB 300U (USB wireless gateway to PC), DolphinStudio (configuration and programming software) and DolphinAPI (application programming interface).

The package is completed by the DolphinView PC software for visualizing and analyzing the wireless protocol. The application profiles (EnOcean Equipment Profiles or EEP) that enable interoperability between devices and manufacturers can also be transmitted and interpreted with the kit.

EDK 350U modules communicate on the 902 MHz frequency. This band offers reliable, long-range communication, typically double the range of 2.4 GHz devices of similar output power, with a significantly lower energy budget. Using the kit, developers can create a comprehensive range of energy harvesting wireless applications, including switches in various form factors, bidirectional sensors, and

innovative controllers. EnOcean TCM modules can be easily enabled to repeat signals, extend wireless range and enhance robustness. The USB 300U stick enables EnOcean-based products to be integrated quickly into smart home systems. All application-specific configurations can be done via the programmer board and the Dolphin software. The new developer kit is also available for the frequency bands 868 MHz (EDK 350) and 315 MHz (EDK 350C).

EnOcean, www.enocean.com [1]

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