



Battery-free, wireless switching for all platforms with EnOcean click

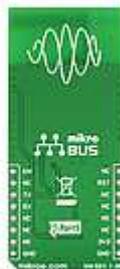
MikroElektronika releases EnOcean click featuring the TCM 310 transceiver module in 868 MHz for EnOcean radio systems that enable energy harvesting wireless solutions

Belgrade, October 22, 2015

EnOcean, the world leader in energy harvesting wireless technology, and MikroElektronika, producer of development tools for various microcontroller families, announced today the release of EnOcean click. It is the 164th addition to MikroElektronika's line of click boards™, small add-on boards that offer easy hardware expandability and rapid prototyping.

EnOcean click is powered by the EnOcean TCM 310 transceiver module, which enables gateways for bidirectional communication with EnOcean's 868 MHz radio systems. The energy harvesting wireless platform from EnOcean combines miniaturized energy converters with ultra-low power wireless modules to gain energy from the surrounding environment – from motion, light and temperature differences. This results in self-powered, battery-free wireless switches, sensors and actuators.

Aimed both at professional R&D engineers and hobbyists, EnOcean click is a development tool for exploring the endless possibilities of EnOcean energy harvesting wireless solutions in the domains of the Internet of Things (IoT), home automation and industrial applications.



Because of the standard click board™ form factor and the mikroBUS™ socket, EnOcean click has plug-and-play compatibility with many of today's most popular development platforms like Raspberry Pi®, BeagleBone, LaunchPad™, Discovery, Freescale's Freedom, and Arduino.

MikroElektronika's latest generation of development boards also carry mikroBUS™ sockets. This includes the company's flagship "Easy" development boards (EasyPIC v7, EasyMx PRO v7 for STM32, EasyPIC Fusion v7, EasyAVR v7, Easy FT90x), as well as the small clicker and clicker 2 boards designed specifically to conform to the form factor of click boards.

Third party vendors are also starting to add mikroBUS™ sockets to their boards. Microchip's Curiosity 8-bit development board and SolidRun's Hummingboard-gate single board computer being the latest examples.

The pinout itself comprises two 1x8 female headers with a pin configuration that covers many different modules found on the 160+ click boards. Developers can just pick any click board and plug it into the corresponding mikroBUS™ socket, instantly connecting it to a target development platform without having to perform any additional hardware settings.

As an added value to developers, MikroElektronika also offers free mikroC, mikroBasic and mikroPascal code examples for EnOcean click, through Libstock.com, the coder's community website.

Supporting quotes:

"We are very excited to bring EnOcean to our click board™ portfolio. Lowering energy consumption is one of the chief concerns of today's developers and EnOcean is pushing that concept to the limit with their battery-free self-powered modules," says MikroElektronika Product Manager Aleksandar Nikolic.

"The click boards of MikroElektronika are ingenious tools for a plug-and-play development of electronics network solutions. Integrating the EnOcean Click to the portfolio opens engineers the complete world of energy harvesting wireless solutions. They now can quickly develop new battery-less prototypes for a wide range of innovative applications," says Matthias Kassner, Product Marketing Director, EnOcean GmbH.

About MikroElektronika

MikroElektronika is a renowned producer of a wide range of development tools and compilers for various microcontroller families. The company designs and manufactures complete solutions for PIC, dsPIC30/33, PIC24, PIC32, AVR, 8051, PSoC, as well as TIVA and STM32 ARM Cortex-M microcontrollers.

MikroElektronika's goal is to provide software and hardware tools that are easy to use, save time and help get the job done quickly. This approach attracts both hobbyist and professionals. MikroElektronika is an authorized design partner and premier third party partner of Microchip® and an official consultant and third party partner of Atmel® Corporation, Texas Instruments® and STmicroelectronics® and more. For more information, visit: www.mikroe.com

About EnOcean

EnOcean is the originator of patented energy harvesting wireless technology. Headquartered in Oberhaching, near Munich, the company manufactures and markets energy harvesting wireless modules for use in building, smart home and industrial applications as well as in further application fields such as the Internet of Things. EnOcean technology combines miniaturized energy converters with ultra-low-power electronics and robust RF communication. For more than 10 years, leading product manufacturers have chosen wireless modules from EnOcean to enable their system ideas. EnOcean is a promoter of the EnOcean Alliance, a consortium of companies from the world's building sector that has set itself the aim of creating innovative solutions for sustainable buildings. Self-powered wireless technology from EnOcean has been successfully deployed in several hundreds of thousands buildings worldwide. The EnOcean wireless protocol is standardized internationally as ISO/IEC 14543-3-1X, which is optimized for wireless solutions with ultra-low power consumption and energy harvesting.

Press Contact

Angelika Dester
EnOcean

T +49.89.67 34 689-57
E: angelika.dester@enocean.com