

## EnOcean Developer Kit EDK 350

**EDK 350 – the developer’s kit for EnOcean modules. Your fastest way into Energy Harvesting Wireless Sensor Technology. It offers a complete set of energy harvesting and ultra-low-power radio technologies for the development of self-powered applications.**

EDK 350 supports line-powered applications based on transceiver modules and self-powered applications based on sensor modules including <sup>1</sup>energy conversion and storage.

EnOcean modules offer a pre-defined feature set for energy management, data acquisition, data processing and wireless data transmission. User specific applications can be implemented based on the application programming interface (DolphinAPI).

### Key features

- Supports the international standard for energy harvesting wireless radio protocol for self-powered applications: ISO/IEC 14543-3-10<sup>1)</sup> and EnOcean Alliance Equipment Profiles
- Ready to start with EnOcean security protocol
- Supports self-powered (e.g. sensors) and line-powered applications (e.g. switching actuator, gateway and repeater)
- Programming & configuration slots for STM 300 on adapter, TCM 320 and STM 3xy
- Easy prototyping of customer-specific hardware with patch area and pin connectors
- App. notes, demos and firmware examples

### Benefits for developers

- Plug and play development kit
- Supports software and hardware development
- PC software for fast & easy development of self-powered sensors, gateways and actuators
- Competitive advantage over battery-powered wireless solution
- Technical support

<sup>1)</sup> EDK 350 (868 MHz) and EDK 350C (315MHz)



### DolphinAPI

Application programming interface to implement customer specific firmware based on the comprehensive Dolphin platform.

### DolphinView

Visualization tool for receiving, sending and analyzing of radio telegrams (EEP, dB and timing).

### DolphinStudio

Powerful PC program for configuration and programming of Dolphin chip based modules.

### EDK 350 content

- EOP 350 Programmer/demo board
- USB 300 USB gateway
- TCM 320 transceiver module
- STM 300 sensor module on adapter
- STM 33x solar powered temperature sensor
- PTM 2xx push button transmitter
- ECO 200 mechanical energy generator
- PTM 330 transmitter module
- USB cable
- User manual
- DolphinStudio and DolphinView via download

### Type

EDK 350  
EDK 350C  
EDK 350U

### Ordering Code

S3004-X350 (868 MHz)  
S3034-X350 (315 MHz)  
S3054-X350 (902 MHz)