Green.Smart.Wireless.
enocean®

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 [1]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).

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.

Key features
- Supports the international standard for energy harvesting wireless radio protocol for self-powered applications: ISO/IEC 14543-3-10[1] 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

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	Ordering Code
EDK 350	S3004-X350 (868 MHz)
EDK 350C	S3034-X350 (315 MHz)
EDK 350U	S3054-X350 (902 MHz)

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[1] EDK 350 (868 MHz) and EDK 350C (315MHz)