

Toolkit for a customized smart home gateway

# RAZBERRY

The 2<sup>nd</sup> generation

- Off the shelf hardware
- No external USB-Stick needed
- Very stable and reliable Z-Wave stack (certified in 2014)
- Tested against > 600 physical devices
- Z-Wave Plus compliant
- Supports Security Classes for door locks etc.
- Mobile apps for iOS and Android
- Customization of UI and Business Logic with HTML/CSS/Javascript
- Portable to other platforms

**Z-WAVE>ME**  
BUILDS THE SMART HOME

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## The RaZberry solution consists of 6 parts:

1. The Raspberry Pi Board and Rasperian OS you already have at home or you can buy online.
2. Sigma Designs ZM5202 Z-Wave transceiver module
3. 512 Kbytes external EEPROM
4. Improved PCBA Antenna for 868/908 Mhz
5. Optional SMA antenna connector or wire antenna
6. Connects directly to Raspberry Pi GPIO connector

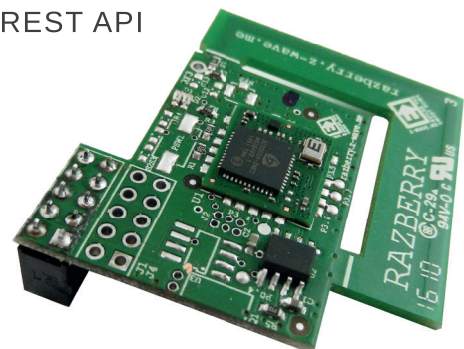
**Compatible with Raspberry Pi models B, B+, Raspberry Pi 2 model B and Raspberry Pi 3**

## Chip-Firmware

- Based on Reference design from Sigma Designs
- Enhanced functions such as
  - Firmware upgrade
  - Backup and recovery function including network topology software

## Software

- Certified Z-Wave Middleware written in C (Z-Way)
- Full Z-Wave based Smart Home Gateway
- Tested against Raspbian „wheezy“ and „jessie“ OS
- Implements Z-Wave Network controller based on SDK 6.51.06
- Offers a native C level API plus web based JSON and REST API



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