Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Z-WAVE EMBEDDED DEVELOPMENT KIT

For Embedded Z-Wave Software and Hardware Development

Sigma Designs' Z-Wave Embedded Development Kit consists of the hardware and software tools required for Z-Wave embedded product development.

The Z-Wave Embedded Development Kit includes sample embedded applications for quick prototyping, Z-Wave protocol sniffer tools for analyzing and resolving issues, and Z-Wave RF modules for building prototypes.

The Z-Wave Embedded Development Kit is comprised of two hardware kits and an SDK that when combined provide all the necessary tools to develop Z-Wave embedded products. The Base Kit consists of the standard hardware needed for all developers. The Regional Kits provides the hardware with regional frequency dependancy. The downloadable Z-Wave Protocol SDK provides all the embedded software components.

All licensees of the Z-Wave Embedded Development Kit are entitled to free online support and training.

BUY A DEV KIT

Purchasing a dev kit is the first step to developing Z-Wave products. Dev Kits are available

for purchase from our global distributor partners.

contact a distributor »

BENEFITS

- One kit covers all Z-Wave regions

- Access to download center for complete Z-Wave protocol stack and API function

- Versatile development module for easy hardware prototyping

- Application Framework included for fast application prototyping (Sample Code Libraries)

- Real-time Z-Wave Zniffer included for frame flow

- Developer-friendly instructions, user guides, application notes, and more

KEY FEATURES

- Comes with license to use Z-Wave technology world-wide

- Access to protocol SDK

- All hardware needed to develop embedded Z-Wave applications

TARGET APPLICATIONS

- Z-Wave end devices such as door locks, lights, sensors, and thermostats

Z-Wave Base Kit

What's in the box? The Z-Wave Base Kit consists of development platform boards, power supply units, cables, etc., that are used to program Z-Wave modules with a Z-Wave application.

Z-Wave Regional Kit

The Z-Wave Regional Kits is available in three frequency variants and consists of Z-Wave ZDB5101, ZDB5202, ZDB5304 reference design modules that are RF-matched for specific regions. The Z-Wave Regional Kits also contains samples for prototype development.

Z-Wave Protocol SDK

The Z-Wave Protocol SDK is available for download on the Z-Wave Technical Site (ZTS); access to the download center is included with the Z-Wave Embedded Development Kit. From the ZTS, developers can access all relevant technical documentation, developer's FAQ, known issues database, etc.

HARDWARE IN THE BASE KIT

- 4 x ZDP03A — Z-Wave development platform
- 4 x Flexi antenna — Antennas for ZDB5xxx
- 4 x USB cable — To connect to ZDP03A
- 1 x Battery pack — To make ZDP03A portable
- 4 x Power supply unit — For ZDP03A
- 1 x UZB-S — USB stick network-sniffer
- 1 x Getting Started with Z-Wave
- 4 x ZM5101

3 REGIONAL KITS
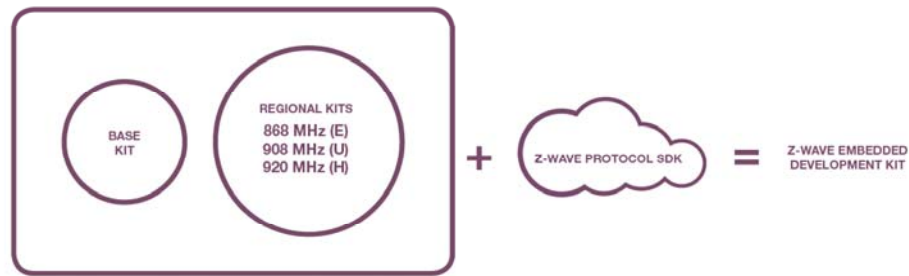
Europe* (E), USA* (U), Japan* (H) each containing:

- 2 x ZDB5101
- 2 x ZDB5202
- 1 x ZDB5304
- 1 x UZB — USB stick static controller
- 4 x ZM5202
- 4 x ZM5304

* may be re-programmed to support additional countries see full list (/about_z-wave#where_z-wave_works)

SOFTWARE DEVELOPERS KIT - DOWNLOADABLE

- Embedded sample applications
- Z-Wave Plus Application Framework
- Development tools
  - Z-Wave Programmer
  - Z-Wave Zniffer
  - Build environments

◦ All necessary tools to build your Z-Wave application

Z-Wave Protocol Development

Z-WAVE PROTOCOL SDK

The Z-Wave Protocol Developer's Kit (SDK) is intended to help developers creating Z-Wave-enabled products in a fast and cost-effective manner. The software consists of Z-Wave libraries supporting controller and slave devices, as well as sample code for a broad range of home automation applications.
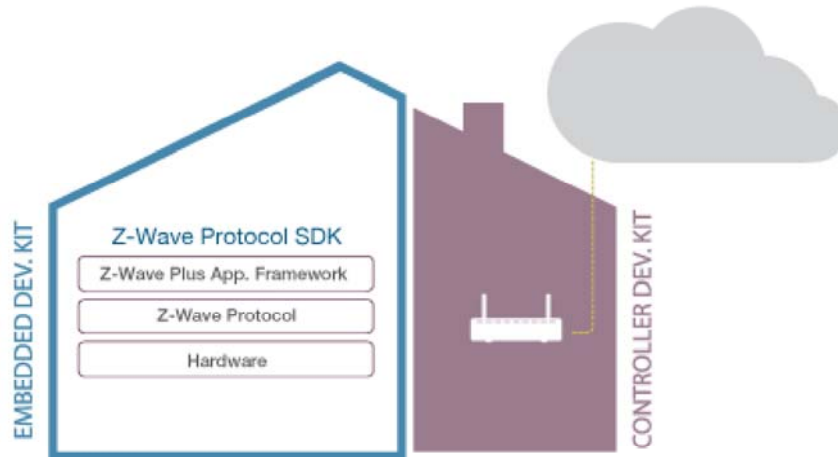
Along with the SDK, licencees get access to network sniffer tools and tools to assist you in assessing and optimizing RF performance.

Z-WAVE PLUS APPLICATION FRAMEWORK

Developing firmware for new Z-Wave products is simpler, thanks to the Z-Wave Plus Application Framework. The Application Framework provides sample code for many common devices, plus a modular library of robust, field-tested code that can be readily re-used. The Application Framework helps eliminate errors and minimizes the need for custom coding. As a result, the process of creating new Z-Wave applications is streamlined, typically taking less than a week or two for most new devices.

MINIMUM REQUIREMENTS

- Windows 7 or higher

- Keil PK51 ver 9.53

More Info ZM5101 (/products#ZM5101) | ZM5202 (/products#ZM5202)

Z-Wave Protocol

- RF solution in single chip

- Sub-1GHz

- Multi-speed: 40...100 kbps

- Low communication latency

- Wireless Mesh Networking

- Every node is a repeater

- Extremely robust

- Self-healing

- Extremely simple setup: Plug & Play

- Versatile support of installation tools

- Ultra low power

- Ideal for battery-powered sensors

- Interoperable

- Proven Device and Command Classes

- Comprehensive certifi cation program

- Some Z-Wave ASIC peripherals may require customer code development

Z-Wave Embedded Dev Kit brochure » (/docs/brochures/Z-Wave_Embedded_Dev_Kit_br.pdf)

Where to Buy a Dev Kit

GLOBAL & US DISTRIBUTORS

Digi-Key

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