

UZB

USB Z-Wave® Controller Reference Design



The UZB is a USB Z-Wave controller reference design. The UZB is based on the new SD3503 serial interface SoC, and includes a crystal, passive RF components, antenna, and regional SAW filter, making it both cost effective and easy to use.

The UZB exposes the well-documented and proven Z-Wave Serial API via USB. As new Z-Wave Serial API features become available, the UZB can be upgraded using the USB port, eliminating the need to replace hardware.

The UZB is powered by the USB port, and has a built-in helical antenna that is designed specifically for Z-Wave. The UZB comes pre-scanned for FCC and CE approval, making final product testing easy for production partners. Designs based on the UZB will require FCC and CE approval.

The UZB provides hardware-assisted frequency agility, enabling the module to switch away from a noisy channel without communication or software overhead.

The UZB continues to build on the Z-Wave ten-year track record of backward-compatibility, enabling all generations of Z-Wave to communicate seamlessly in a Z-Wave network.

Production information will be made available to selected partners.

KEY BENEFITS

- Low-cost way to Z-Wave-enable a USB host
- Ready for high-volume manufacturing
- Pre-scanned for FCC and CE approval

TARGET APPLICATIONS

- Gateways
- Set-top boxes
- PCs
- TVs

KEY FEATURES

- USB full-speed device connection
- Serial interface solution exposing the Z-Wave Serial API on USB
- Built-in helical antenna
- Firmware upgrade through USB
- USB powered
- Support for Linux, Windows and OS X
- CDC device class for communication

ACTUAL SIZE
58mm x 18mm x 10mm



POWERING THE NEW DIGITAL HOME:

SET-TOP BOXES

CONSUMER
ELECTRONICS

AV NETWORKS

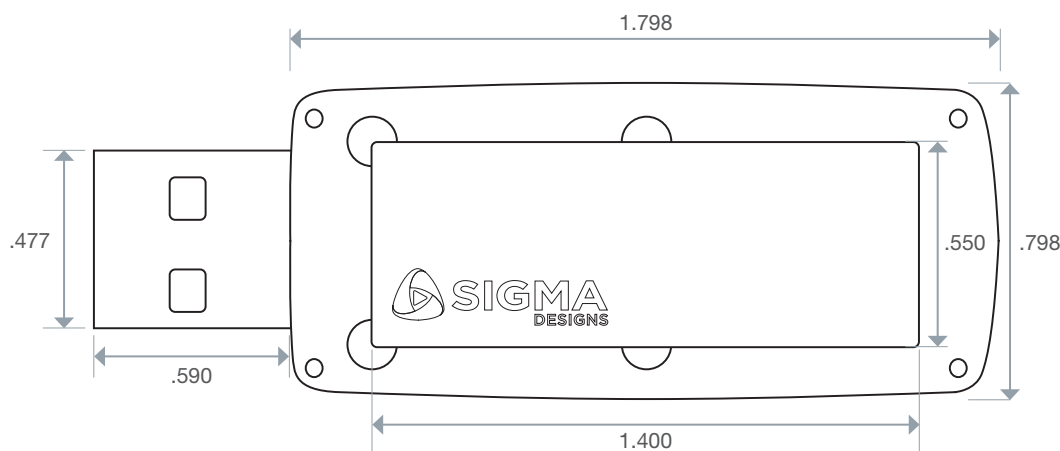
HOME CONTROL

COMMERCIAL
SYSTEMS



UZH

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ABOUT SIGMA DESIGNS

Sigma Designs is a leading provider of system-on-chip (SoC) solutions used to deliver entertainment and control throughout the home:

Media Processing, Smart TV, Video Encoding, Home AV Networking, Video Processing, Home Control

These SoCs are supported with board-level reference designs, sophisticated system software, and technical documentation to form a complete solution for a variety of set-top boxes, smart TVs, consumer electronics, AV network devices, and home control systems.

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Visit: www.sigmadesigns.com/sales
Email: sales@sigmadesigns.com

Headquarters
1778 McCarthy Blvd.
Milpitas, CA 95035
Main: +1.408.262.9003
Fax: +1.408.957.9740
www.sigmadesigns.com