



## Z-Wave® to Z/IP Gateway Application

Z/IP gateway brings all Z-Wave devices to the Internet of Things. The Z/IP Gateway application handles communication between Z-Wave and Z-Wave for IP.

Z/IP Gateway is an application that handles all communication between Z-Wave and Z-Wave for IP in a similar way that a home router handles the communication between the home PC and the Internet.

The Z/IP Gateway allows polling from multiple connected Z/IP clients such as tablets, PCs and smart phones. It can also connect to a remote server through a secure TLS1.1 tunnel making it ideal for use with a portal server.

The Z/IP Gateway handles all the Z-Wave housekeeping such as network management, Z-Wave Security, mailbox for battery driven devices, Z/IP packaging and multichannel support.

Z/IP is a UDP/IP wrapper for Z-Wave command classes, assisted by a set of Z/IP management command classes. Z/IP assists Z-Wave in maintaining the same level of interoperability on the Internet of things as on the Z-Wave HAN.

Z/IP Gateway can communicate with the Z-Wave SerialAPI through UART or USB. Z/IP Gateway is delivered as source as part of the Controller Development kit.

### KEY BENEFITS

- Allowing for remote access to portals
- Allowing remote Z-Wave Network management
- Handles the Z-Wave security process
- Handles security and encapsulation
- Royalty free for holders of the Z-Wave Controller Developers kit
- Mailbox for battery driven devices

### TARGET APPLICATIONS

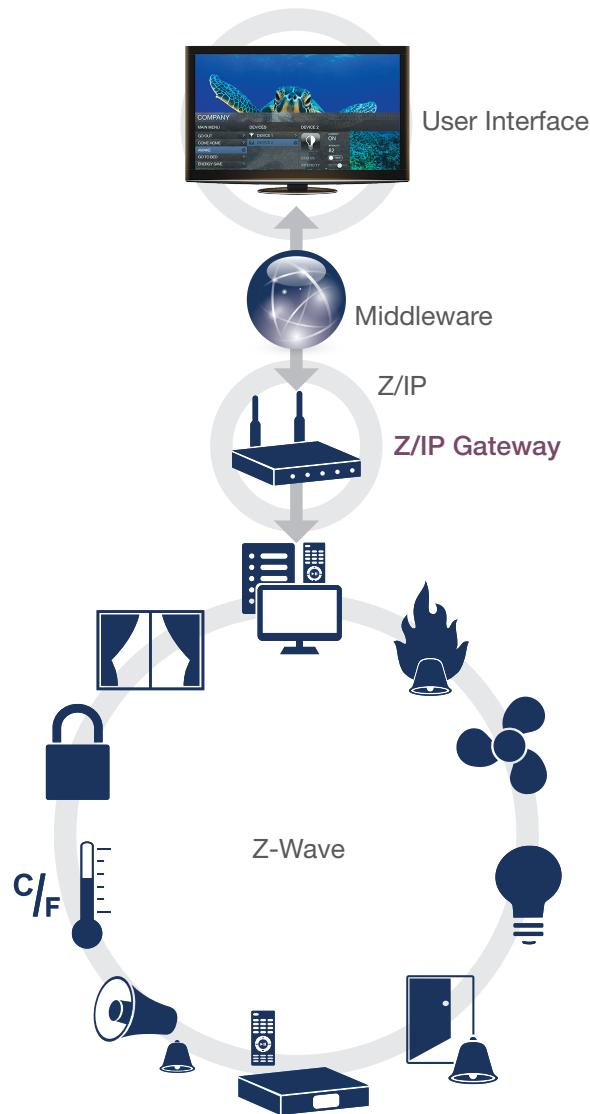
- Gateways
- IoT devices
- Set-top boxes
- Cloud or Portal system

### KEY FEATURES

- Support for Z/IP command classes
- Support for multiple Z/IP clients
- Assigns unique IP address to all Z-Wave devices in the Z-Wave network
- Z-Wave device IP ping support
- IPv6 native
- IPv4 support
- Multichannel support
- Z-Wave security support
- TLS 1.1 secure tunnel support
- Z/IP Gateway is delivered as source code as part of the Z-Wave Controller Developers kit
- mDNS resource discovery
- DTLS LAN security

# Z/IP Gateway

## Z-Wave® to Z/IP, Gateway Application



### 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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