ZIPR

Z/IP Gateway Reference Design

The ZIPR is a Z/IP gateway that brings all Z-Wave devices on the market, to the Internet of Things. The ZIPR is handling all the 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 ZIPR is designed to be plugged into a user's home IP network, enabling applications residing on gateways, set-top boxes, TVs, mobile devices, and cloud services to communicate with and control Z-Wave devices on the Z-Wave mesh network.

For connections outside the local IP network, the ZIPR supports secure TLS 1.1 TCP tunneling.

The ZIPR handles all basic Z-Wave protocol housekeeping, such as network management, Z-Wave Security, and multi-channel device support. The ZIPR is Z/IP-certified, ensuring interoperability with Z/IP enabled applications from multiple vendors.

KEY BENEFITS
- Lowest-cost Ethernet Ref Design
- Ultimate Plug & Play
- Designed for high-volume manufacturing
- Gateway to Internet of Things

TARGET APPLICATIONS
- Portal systems
- TVs
- Set-top boxes

KEY FEATURES
- Support for Z/IP command classes
- Autodiscovery for Z/IP clients
- 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 with autoconfig through router advertisements
- IPv4 Support, with DHCP client
- TLS 1.1 secure TCP tunnel support for portal server connection
- Production information will be made available to partners
- 10/100 Base-T Ethernet

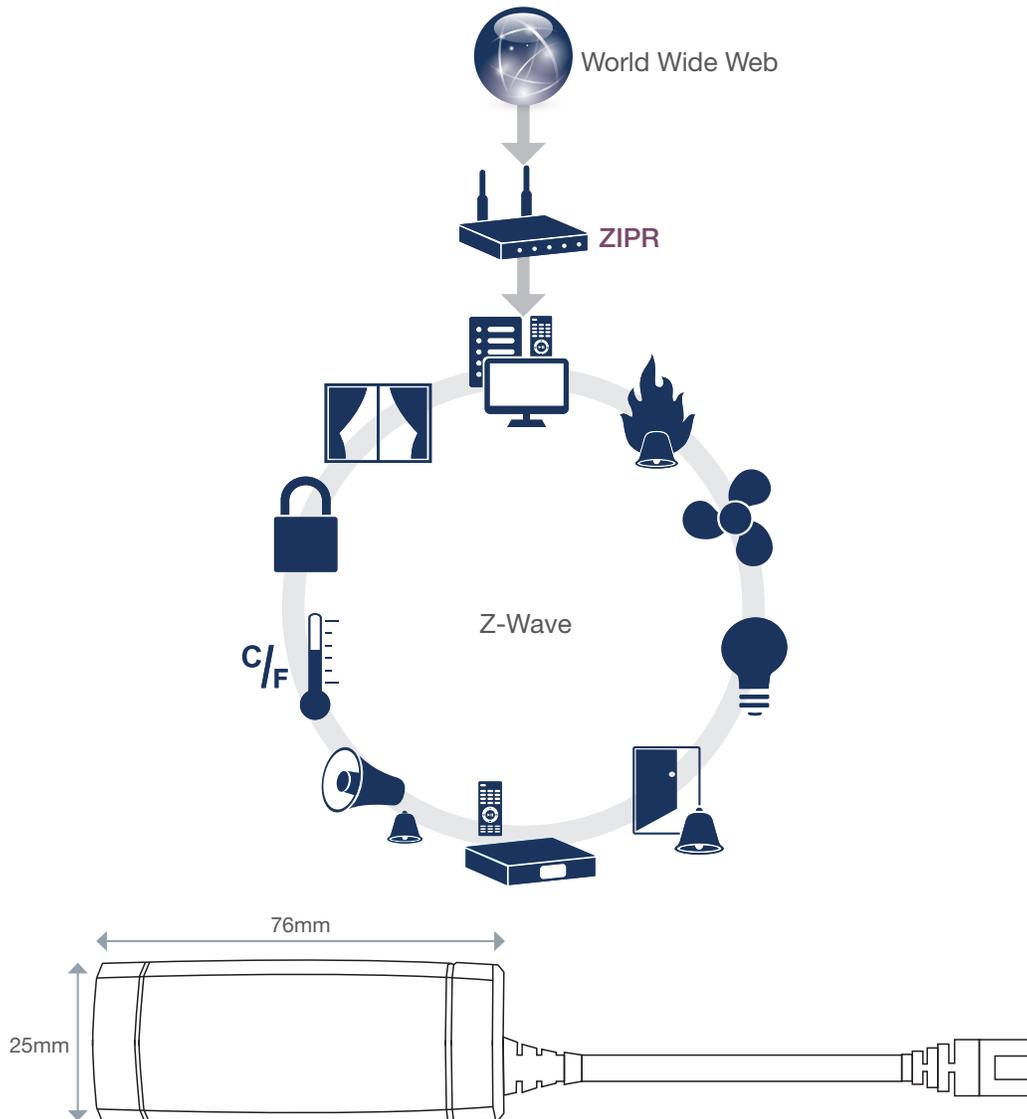POWERING THE NEW DIGITAL HOME:

SET-TOP BOXES | **CONSUMER ELECTRONICS** | AV NETWORKS | **HOME CONTROL** | COMMERCIAL SYSTEMS

SIGMA DESIGNS

ZIPR
Z/IP Gateway Reference Design

World Wide Web

ZIPR

Z-Wave

C/F

76mm

25mm

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.

FOR REGIONAL SALES OFFICES AND DISTRIBUTOR CONTACT INFORMATION

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