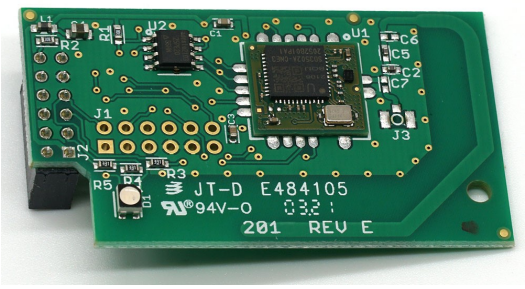
HS-ZWPB500 Z-Wave Interface

Add Z-Wave to your smart home project



The ZWPB500 Z-Wave Interface Board provides a simple to use and easy to integrate Z-Wave interface for any embedded computer. Specifically designed for the Raspberry Pi, ZWPB500 uses a UART interface available on most embedded CPUs. The Sigma Designs SerialAPI provides a standard software interface to communicate with any Z-Wave device on the Z-Wave network.

The available fanless enclosure for ZWPB500 and the Raspberry Pi makes a complete Z-Wave hub that can communicate directly to the cloud. Power consumption under 5 watts with the ability to drive full HD HDMI screens means the system is also a fully capable standalone Linux computer.

The fifth generation Z-Wave technology enhances the reliability and speed of every device on a Z-Wave network by using the very latest routing algorithms and the very best radio technology currently available. Firmware is updated using the standard OTW protocol which can be upgraded in the field extending the lifetime of any product incorporating the ZWPB500.

Features / Details

Z-Wave Interface

- Fifth Generation 500 series Z-Wave
- 300’ line-of-sight RF range
- 100/40/9.6Kbps 900MHz RF
- Integrated PCB antenna
- Primary Controller
- Z-Wave Plus Certified
- Color LED: Eight colors
- Raspberry Pi (RPi) compatible interface
- 3.3V @50mA
- UART @231kbps
- RPi fanless enclosure available
- RF Frequency: 908/916MHz (US)
- Dimensions: 2.2”H x 1.25”W x 0.5”D
- Weight: 8g

Pinout

Name	Pin #		Name
3.3V	1	2	
LEDR	3	4	
LEDG	5	6	GND
LEDB	7	8	TXD
GND	9	10	RXD
	11	12	RST_N

Enclosure for the Raspberry Pi 3 with the ZWPB500 available. All connectors are available on the exterior of the enclosure. ZWPB500 antenna is internal and provides 360 degree RF coverage.