



Qolsys Z-WaveAH Plus WiFi Module User Manual

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Qolsys Z-WaveAH Plus WiFi Module



General Applications

The Qolsys Z-WaveAH Plus Module features the 500 series Z-Wave Wireless Microcontroller silicon from Sigma Designs, providing an air interface to certified Z-Wave devices. OEMs that integrate this module will be able to connect to a variety of smart devices for home automation and control, for example: thermostats, door locks, light bulbs, and electrical outlets. Note: these smart devices must be Z-Wave certified.

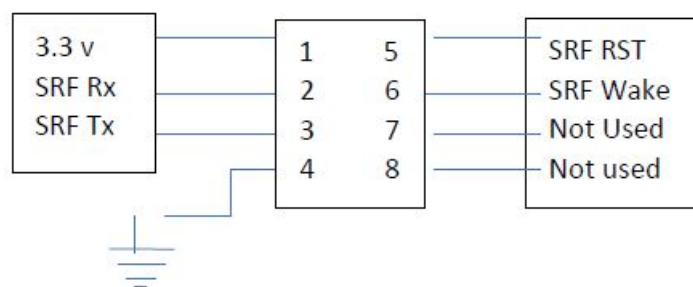
Installation and Operation

The module has a simple 8 pin header interface for power, reset, and UART connections. The mounting screw is required for mechanical stability and to ensure a robust ground connection. The antenna is permanently fixed to the module. Do not place any large pieces of metal around or near the antenna, as it will inhibit performance. Do not modify the antenna in any way. This module is installed in a final product which is intended to be a minimum of 20 cm or greater away from user in normal operation.



The Qolsys Z-WaveAH Plus Module operates at 919.8 / 921.4 MHz with an output power set at 0 dBm with trace and filter loss is approx.. 1.3 dbi. Data and protocol specifications are beyond the scope of this document. Please contact Qolsys for the technical specifications.

Pin Configuration



FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning


the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warranty Information

IMPORTANT! Changes or modifications not expressly approved by Qolsys Inc. will void the user’s authority to operate the equipment, as well as warranty for the product.

Documents / Resources

	<p>Qolsys Z-WaveAH Plus WiFi Module [pdf] User Manual QS-ZWAVEAH, QSZWAVEAH, 2AAJXQS-ZWAVEAH, 2AAJXQSZWAVEAH, Z-WaveAH Plus W iFi Module</p>
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