

# HomeBridge

## Home Automation Gateway

OEM Gateway Solution

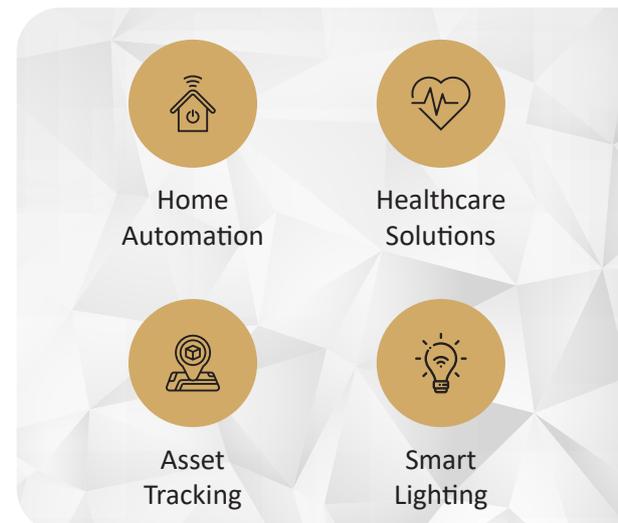


## Overview

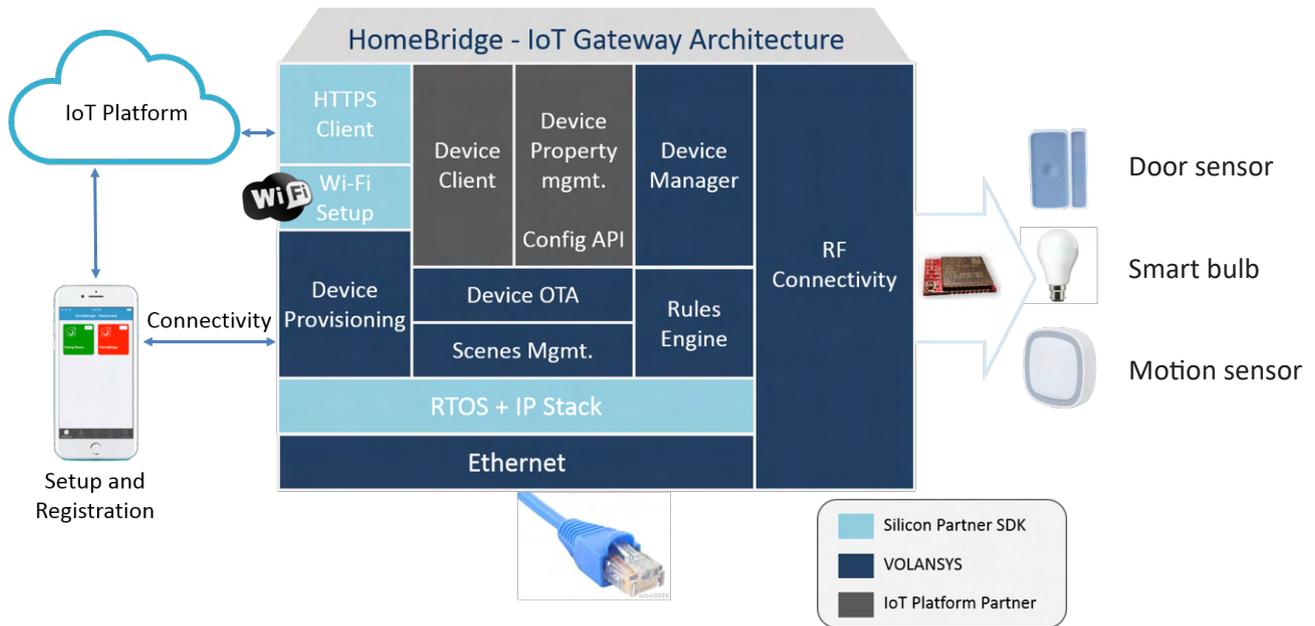
HomeBridge® is a smart home automation IoT gateway solution for OEMs that offers a cost-effective and secure way of connecting the Internet of Things devices to industry-leading cloud platforms with SDK based connectivity. HomeBridge® can efficiently manage 40+ smart edge devices with standard features for industry applications. HomeBridge® is available as a white-label smart home solution for OEMs and IoT end-device manufacturers to easily alter it according to their market needs. With VOLANSYS's IoT gateway, device manufacturers can complete their entire solution by utilizing ready to production platform with other strategic advantages such as OEM customization, faster time to market and having a lower cost of ownership to build IoT Solutions.

## Feature Highlights

- Zigbee®, Wi-Fi - 802.11 B/G/N, BLE 5.0 support
- IoTify, AWS IoT, Evrythng, Ayla Networks cloud support
- Connects to 40+ end devices with Zigbee and BLE
- Multiple gateway device management
- iOS and Android mobile application
- FCC/CE/RoHS certification
- Compact wall plug mount and tabletop mount
- White-label solution for OEMs
- Hardware-level encryption support
- Pre-integrated devices: Water valve, Dimmable plug, Bulb, Door, Motion, Water leak, Temperature, and Humidity sensors



# Solution Architecture



## Technical Specifications

		HomeBridge-100	HomeBridge-200
CPU	Processor:	ARM Cortex-M4F CPU	ESP 32 Xtensa LX6 CPU
	OS Support:	FreeRTOS	
Electric	DC Power:	Input Voltage: 85/260VAC Current - Maximum: 20 mA	Input Voltage: 85/265VAC Current - Maximum: 20 mA or 5VDC, 350 mA
Protocols	MQTT:	Lightweight, publish-subscribe based messaging protocol designed for M2M, works on top of TCP-IP	
Memory	SRAM:	512KB	
	QSPI Flash: (External)	4MB (expandable up to 16MB)	
Connectivity	Zigbee®:	1x interface, NXP's JN5179 module working on 2.4GHz IEEE802.15.4 compliant	
	Ethernet:	1x interface 10/100Mbps Ethernet	
	Wi-Fi:	Marvell CU300 module working on 2.4GHz and IEEE802.11b/g/n compliant.	Espressif ESP 32 module working on 2.4GHz and IEEE802.11b/g/n compliant.
	Bluetooth 5.0:	Nordic's nrf52832 module working on 2.4GHz radio frequency, BLE mesh networking	
General	Dimensions:	L x W x H – 55 mm x 55 mm x 55 mm	
	Weight:	80 gm	
	Temperature:	0 °C to +70 °C	-20°C to +60 °C
	Mounting Options:	Wall Plug Mount	Wall Plug Mount and Tabletop Mount
Certification	Pre-certified:	CE, FCC, RoHS	

Note: Registered Trademark/Logo of BLE and Zigbee are properties of their individual owner

ACL Digital is a design-led Digital Experience, Product Innovation, Engineering and Enterprise IT offerings leader. From strategy, to design, implementation and management we help accelerate innovation and transform businesses. ACL Digital is a part of ALTEN group, a leader in technology consulting and engineering services.

[business@acldigital.com](mailto:business@acldigital.com) | [www.acldigital.com](http://www.acldigital.com)

USA | UK | France | India   

Proprietary content. No content of this document can be reproduced without the prior written agreement of ACL Digital. All other company and product names may be trademarks of the respective companies with which they are associated.