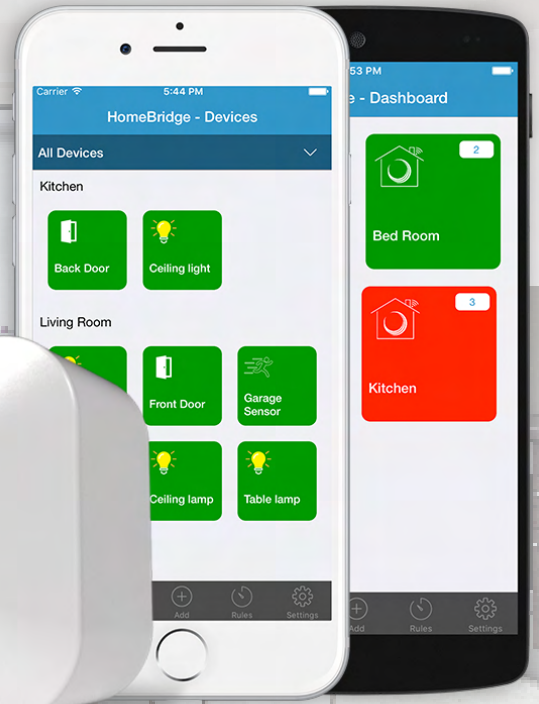


# HomeBridge

## Home Automation Gateway Platform for OEMs



## Overview

HomeBridge® is a smart home automation IoT gateway solution for OEMs that offers a cost-effective and secure way of connecting 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 according to their market needs. With ACL Digital's IoT gateway, device manufacturers can complete their entire solution by utilizing a ready-to-production platform with other strategic advantages such as OEM customization, faster time to market, and 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 applications
- 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



Home  
Automation



Healthcare  
Solutions

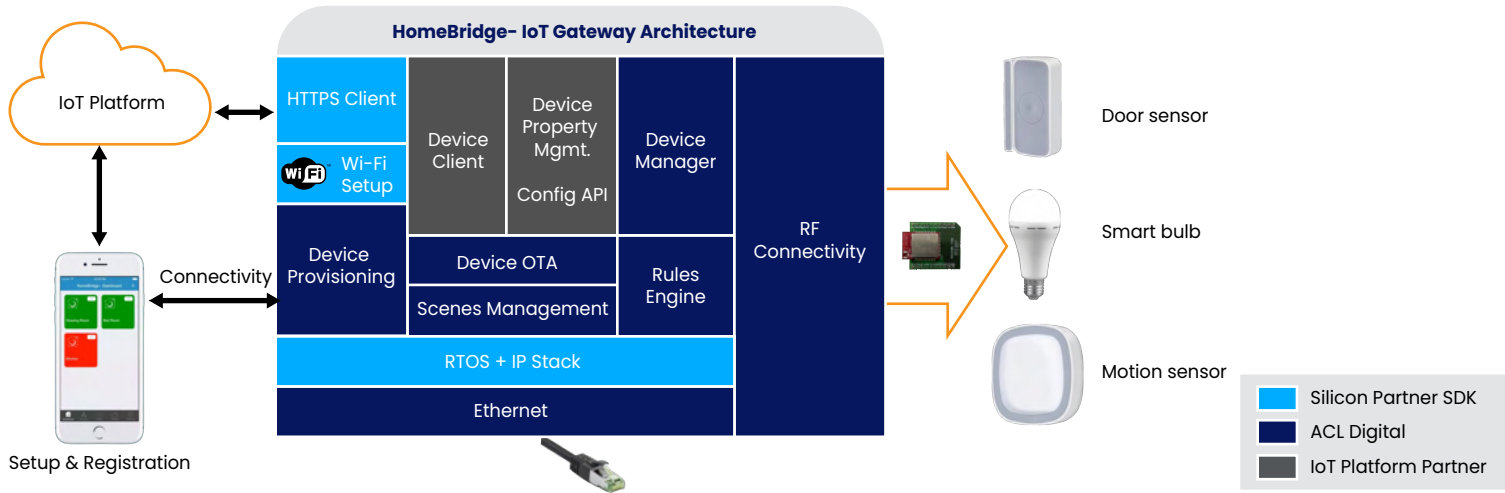


Asset  
Tracking



Smart  
Lighting

# Solution Architecture



# Technical Specifications

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

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