

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, IEEE 802.15.1
- IoTify, AWS IoT, Evrythng, Ayla Networks cloud support
- Connects to 40+ end devices with Zigbee and IEEE 802.15.1
- 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

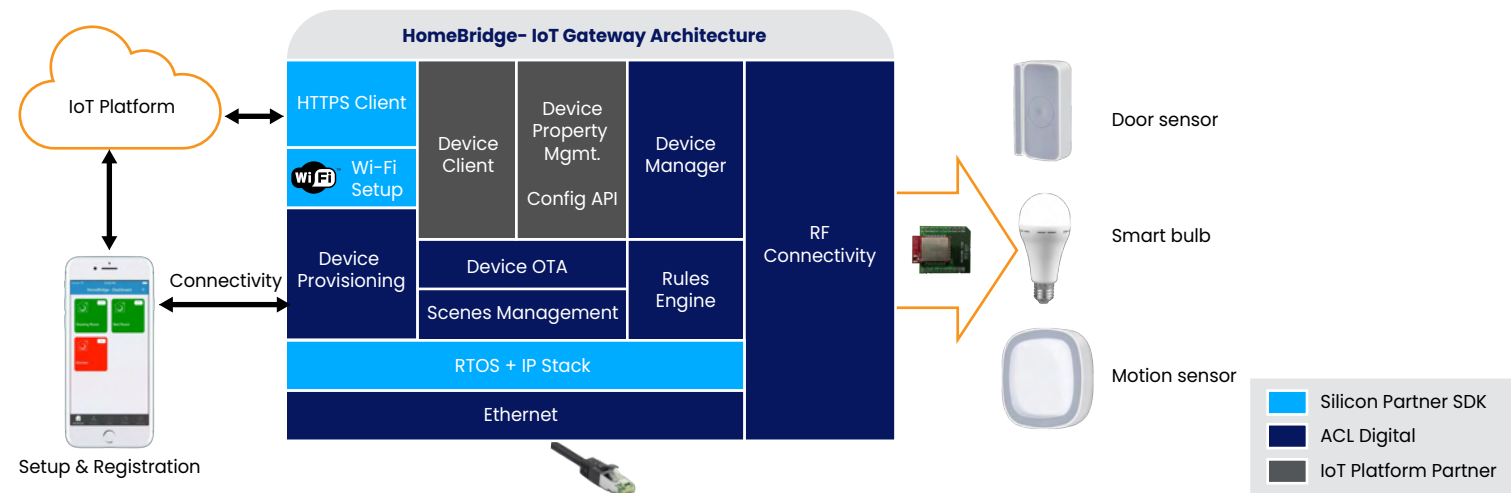


Asset
Tracking










Smart
Lighting

Solution Architecture



Technical Specifications

		HomeBridge-100	HomeBridge-200
 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.
	IEEE 802.15.1:	Nordic's nrf52832 module working on 2.4GHz radio frequency, IEEE 802.15.1 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 IEEE 802.15.1 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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