

HomeBridge

Home Automation Gateway

OEM Gateway Solution

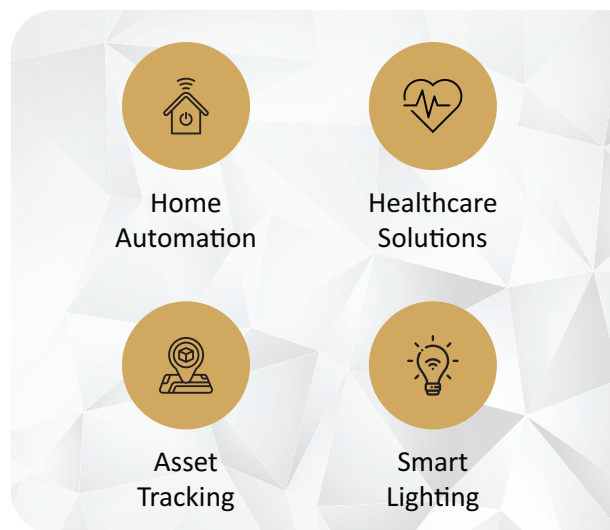


Overview

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
- 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



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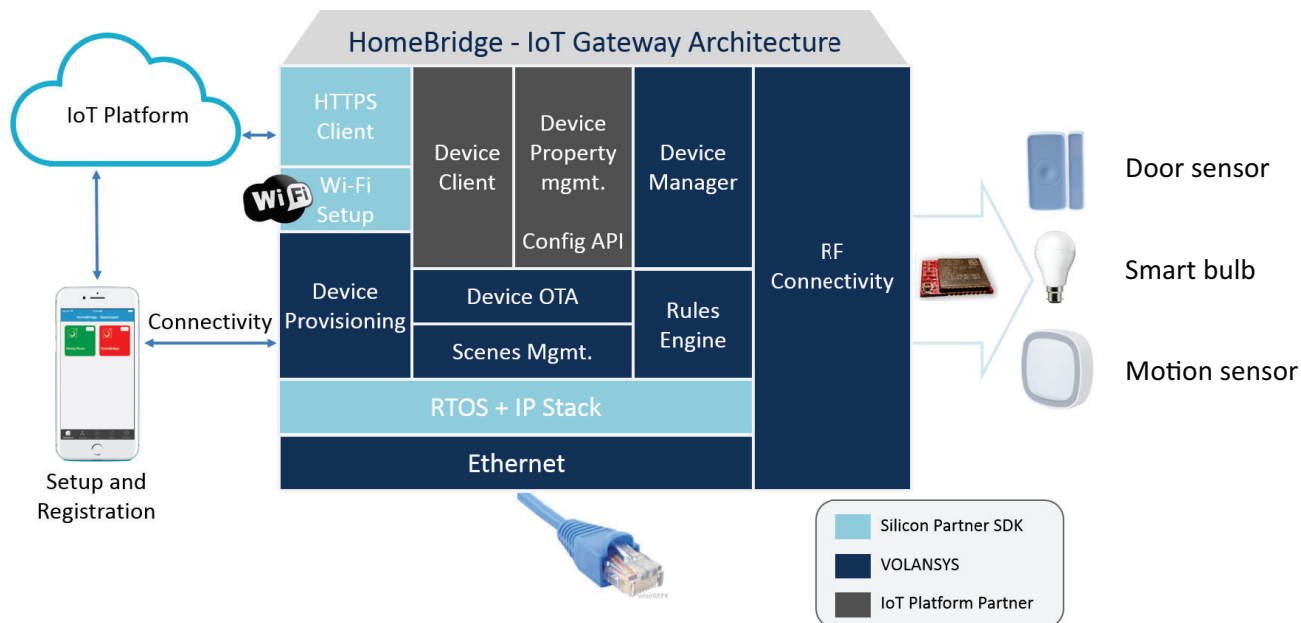
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






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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 or Silabs EFR32 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

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