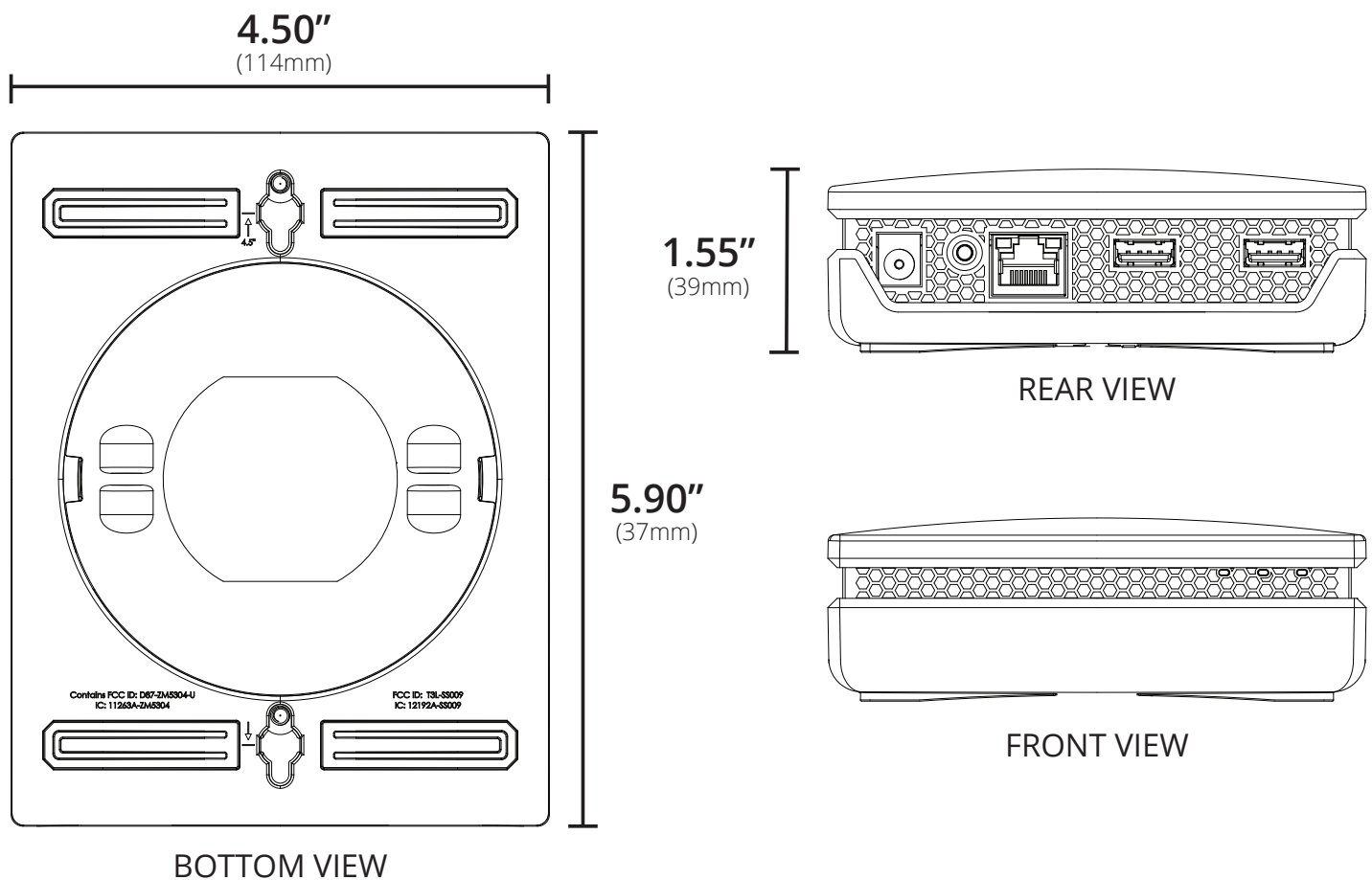


Jilia is revolutionizing the speed in which services providers and product developers can bring new IoT solutions to market. Projects that would take years to develop can be launched in as little as weeks and months—at the fraction of the cost of a traditional IoT development cycle. Jilia provides an intuitive API, cloud service, and flexible hardware components that removes many of the risks, scalability, and compatibility concerns that businesses and developers have.



## In the Box:

- 1x - Jilia Hub
- 1x - Quick Start Guide
- 4x - AA Batteries

- 1x - Power Supply Plug
- 1x - Ethernet Cable

# Features & Highlights

## ZigBee HA 1.2, Z-Wave, and BLE Radios

Three on-board radios gives developers and service providers the flexibility to select existing devices from multiple manufacturers or develop additional devices in the future using different protocols.

## Thread- and ZigBee 3.0-ready

Utilizing the powerful Ember 3587 from Silicon Labs, the 802.15.4 radio is Thread- and ZigBee 3.0-ready and can be updated for future features.

## USB Expandability

With two on-board USB expansion ports, there are virtually no limits to what future updates can be made (e.g. storage expansion, radios for future protocols, cellular data, etc.).

## Onboard Battery Backup

Power outages aren't a problem for the Jilia Hub. Using 4x easily-replacable AA batteries, the hub can continue operations, control, and communicate during power interruptions.

## Local and Cloud-Based Jilia Capabilities

The Jilia Hub goes beyond simply interacting with the cloud. It also features a local Jilia software agent that enables the hub to perform local rules, commands, and accept websocket subscriptions even when internet connection is down.

## Built for Updatibility

The Jilia Hub has been designed and developed with extensive updatibility features. The hub can receive updates for firmware, API additions, new devices drivers, technology drivers, and feature updates.

# Technical Specifications

Specifications	Description
<b>Processor</b>	
ARM Cortex A8	TI Sitara AM3352 (1GHz)
<b>System Memory</b>	
DDR3 SDRAM	512MB 800MHz
<b>Application Storage</b>	
eMMC NAND Flash	2GB
<b>LAN/WAN Interface</b>	
Ethernet	10/100 w/ Auto MDIX. IEEE 802.3-compliant. Auto-negotiation and automatic polarity detection.
<b>Embedded Low Power HAN/PAN/Device Interfaces</b>	
ZigBee	Silicon Labs EM3587 2.4GHz (+18dBm)
Z-Wave	Sigma ZM5304AU-CME3R
BLE	Texas Instruments CC2541F256RHAR
USB	Texas Instruments AM 335BZCZ100 (2x Type-A host ports)

Specifications	Description
<b>Indicators</b>	
Visual	3x LEDs
Audible	Piezoelectric sounder (up to 80dB@10cm)
<b>Environmental</b>	
Operating Temp	0 to 40C
Storage Temp	-20 to 60C
Operating Humidity	0% to 95% (non-condensing)
Storage Humidity	0% to 99% (non-condensing)
<b>Wireless Specifications</b>	
ZigBee	
Range	100+ ft. (30+ m) L.O.S.
TX Strength	+18 dBm
Z-Wave	
TX Strength	+4 dBm
Bluetooth LE	
TX Strength	0 dBm
<b>Regulatory</b>	
FCC	Complies with FCC Part 15 Class C
<b>Dimensions</b>	
Physical Dimensions	4.5"W x 5.87"L x 1.55"H
Weight (w/ batteries)	0.85 lbs
(w/o batteries)	0.65 lbs

## Approvals

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.

Conforms to FCC Part 15B

FCC ID: T3L-SS009

IC: 12192A-SS009



Industry Canada licence-exempt RSS Standards. 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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment is in direct contact with the body of the user under normal operating conditions. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by Centralite Systems, Inc. could void the user's authority to operate the equipment.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

## Contact Sales

For more information about sales or distribution,  
please contact:

877-466-5483

+1 251-607-9119 (Int'l)

sales@centralite.com

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**Notice:** Any content, factual information, or specifications containing errors in this document are solely inadvertent and will be corrected upon discovery. Specifications for unreleased/planned products are subject to change.

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