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THREAD GROUP

Dotdot + Thread

Daniel Moneta
CMO & EVP Corporate Development // MMB Networks
Board Member & Marketing Workgroup Chair // Zigbee Alliance
Marketing Committee // Thread Group

Sujata Neidig
Director, Product Marketing// NXP Semiconductors
VP Marketing // Thread Group
Board Member // Zigbee Alliance

Victor Berrios
VP Technology // Zigbee Alliance

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Today's Speakers

Daniel Moneta

Founder, CMO & EVP Corporate Development, MMB Networks
Board Member & Marketing Work Group Chair, Zigbee Alliance
Marketing Committee, Thread Group

Daniel Moneta is one of the founders of MMB Networks in Toronto. MMB's IoT hardware and software platform enables consumer electronics manufacturers to rapidly bring connected home products and services to market.

Daniel serves as Marketing Work Group Chair of the Zigbee Alliance, and is an active member of the Thread Group Marketing Committee. Daniel holds a Bachelor of Business Administration from the Schulich School of Business, and over twenty years of experience enabling (not to mention installing, using, fighting with, enjoying, recommending, showing off, and being an avid consumer of) connected products.

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Today's Speakers

Sujata Neidig

Director, Product Marketing, NXP

Vice President of Marketing, Thread Group

Board Member, Zigbee Alliance

Sujata Neidig has over 23 years of experience in the semiconductor industry and has served in a variety of roles ranging from product engineering to marketing and business development.

She is currently the MCU Global Marketing Director responsible for NXP's microcontrollers and connectivity roadmap and portfolio - driving leadership and growth in multiple market segments. Prior to this role, Sujata worked in business development and product marketing for various groups within NXP. She earned a Bachelor of Science in Electrical Engineering from the University of Texas at Austin.

Victor Berrios

Vice President of Technology, Zigbee Alliance

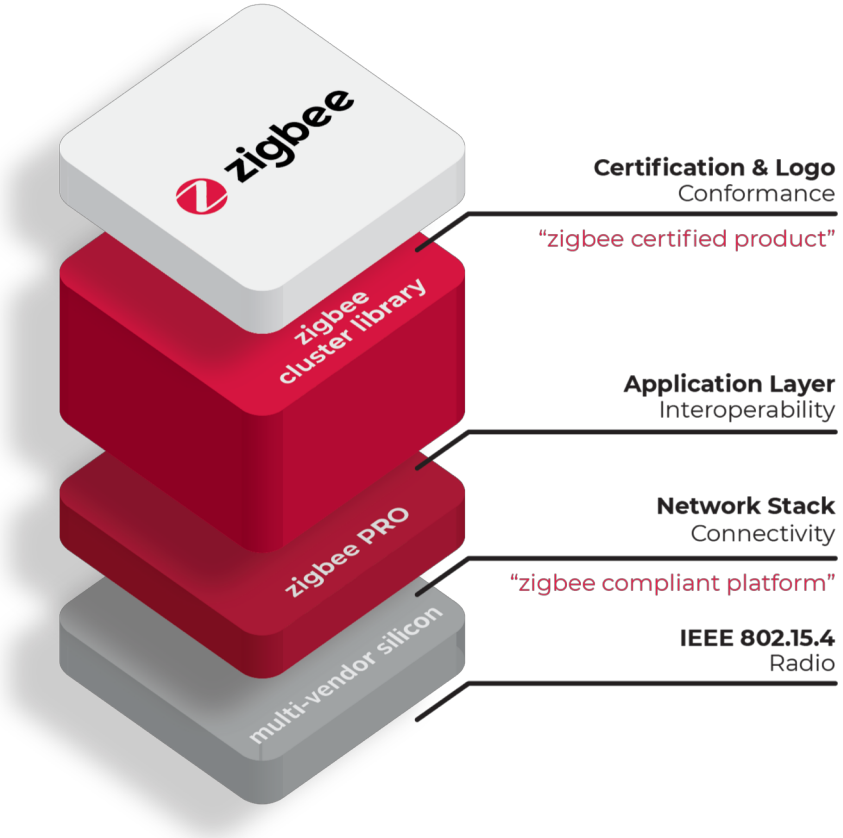
Victor has worked for over 20 years in the wireless communication industry. He is responsible for the day-to-day operations of all technology programs for the Alliance and for supporting Work Group efforts in the development and maintenance of wireless communication standards.

Victor is a recognized expert in the short range wireless industry. He received his bachelor's of science in computer engineering from Iowa State University, and his masters' in electrical engineering and business administration from Arizona State University.

Dotdot & Thread

New names and applications for mature, established technologies.

Multi-Vendor Interoperability with Zigbee



dotdot

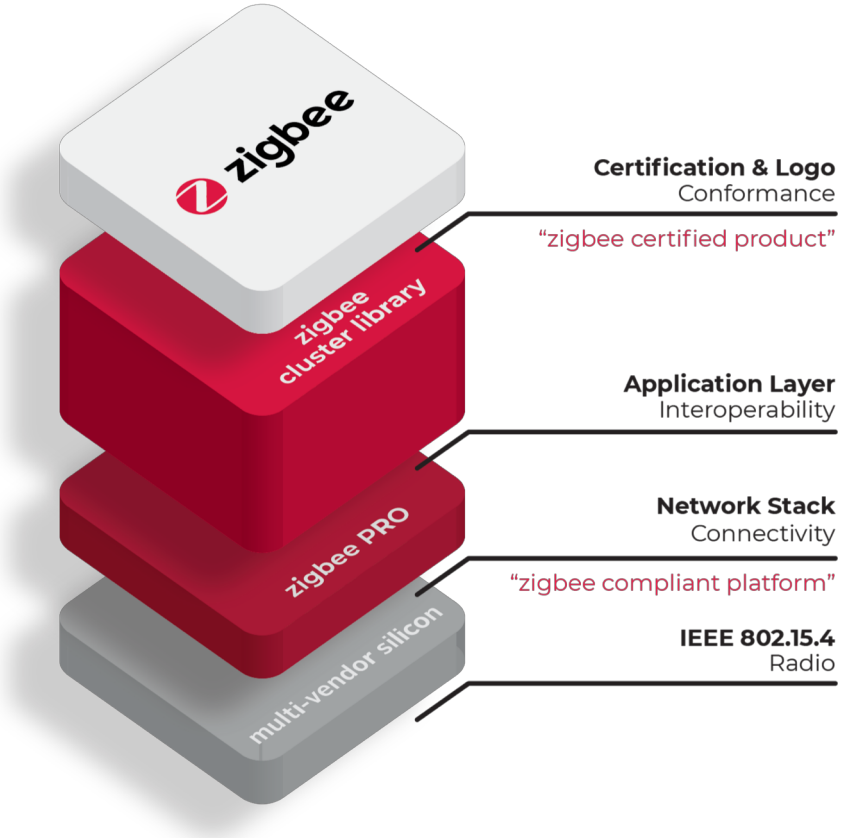
dotdot makes smart homes and businesses work for everyone.

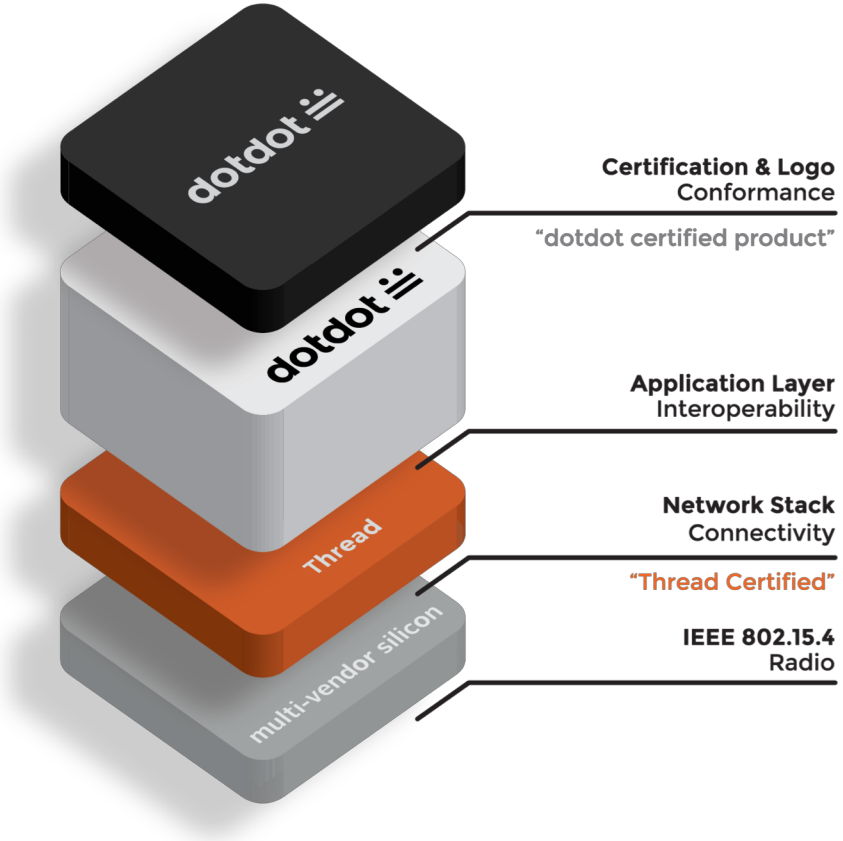
dotdot is a common language for the smart objects we rely on every day, so they can speak to each other effortlessly on any network, and make themselves more useful to all of us.

Dotdot + Thread

Dotdot

Based on Zigbee's application layer — the "Zigbee Cluster Library", now enabled to run over IP networks.

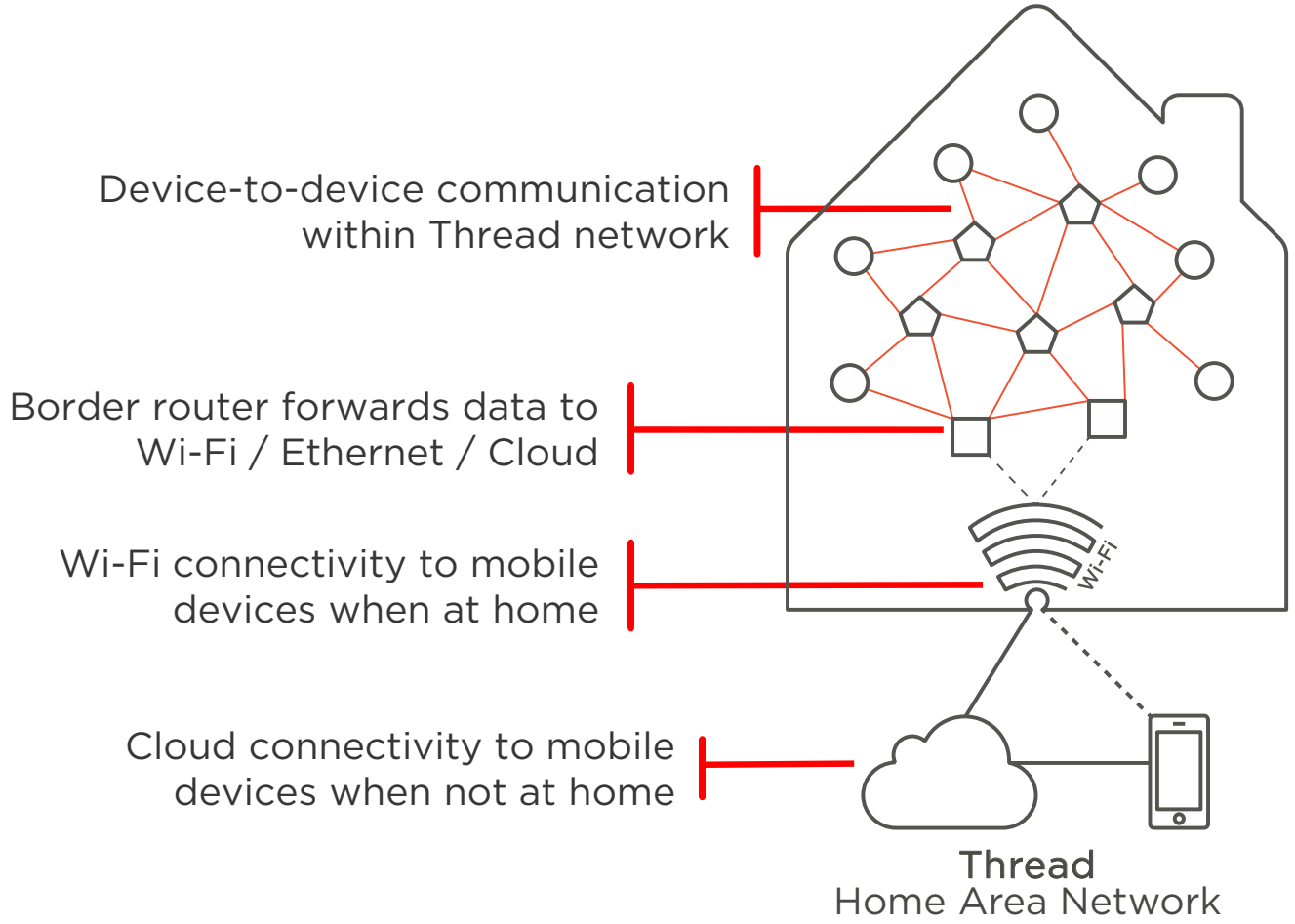




Thread

Thread is an open, IPv6-based, low-power, secure and future-proof mesh networking technology for IoT products.

Built on the same IP technology that drives every Internet-connected device, but designed specifically for the needs of IoT devices.

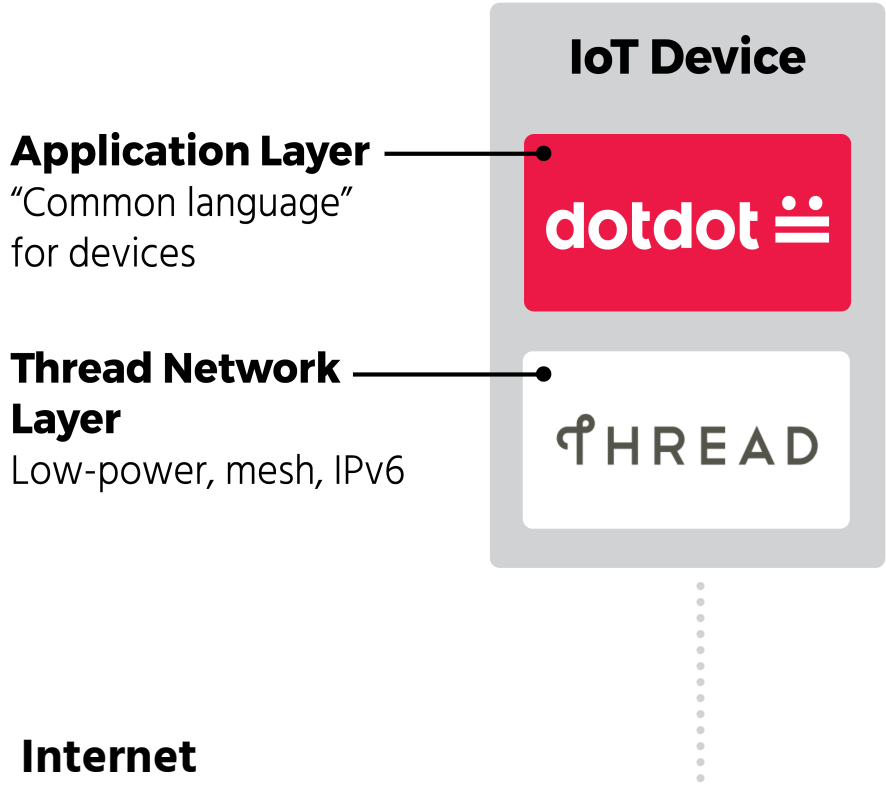


Dotdot + Thread

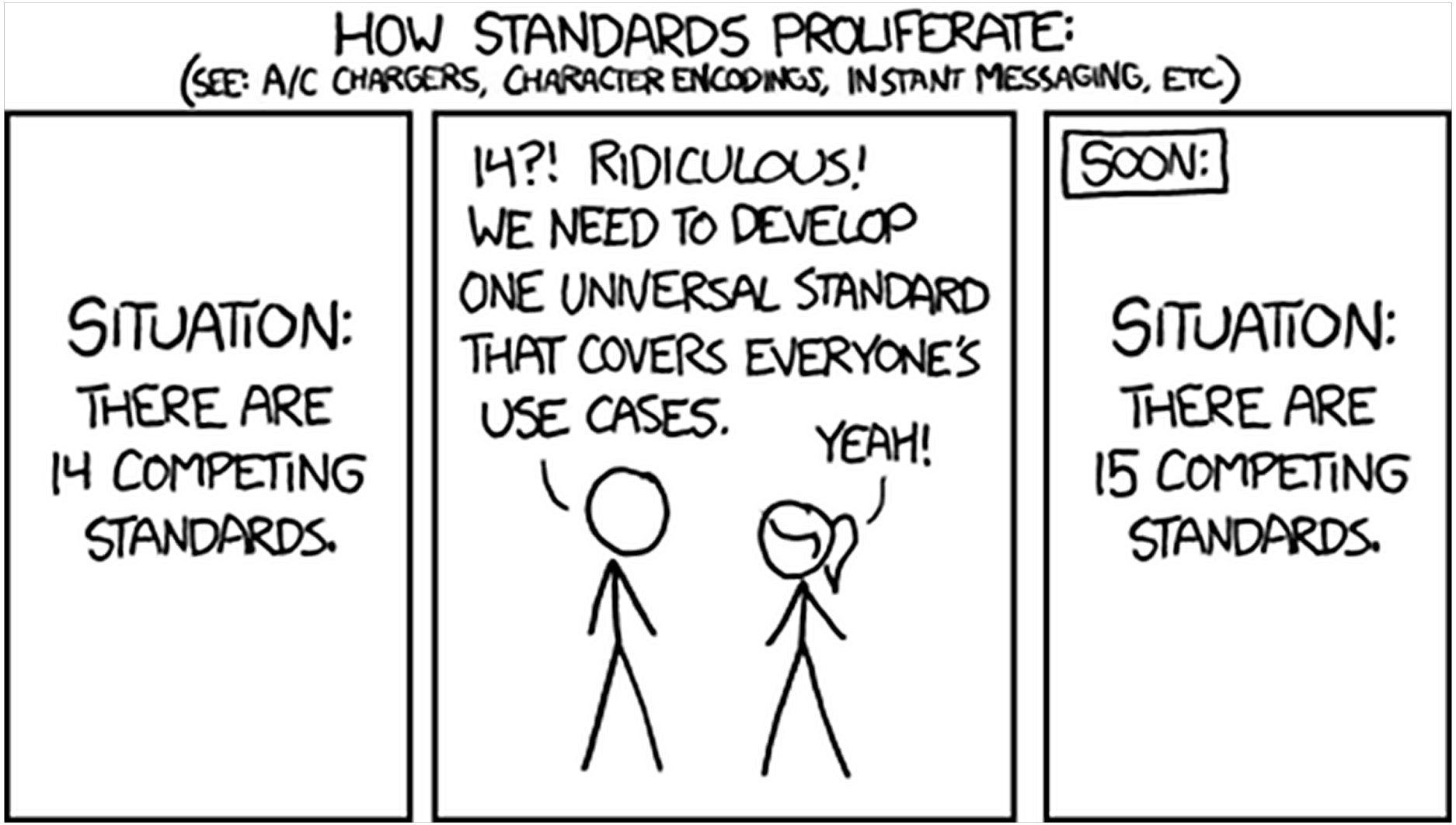
The first open, interoperable device language running over an Internet (IP) based network.

Open, universal protocols like HTTP over IP unlocked and accelerated innovation on the Internet.

Dotdot's common device language over Thread's IP network brings this foundation for innovation to the Internet of Things.



Not another new standard.



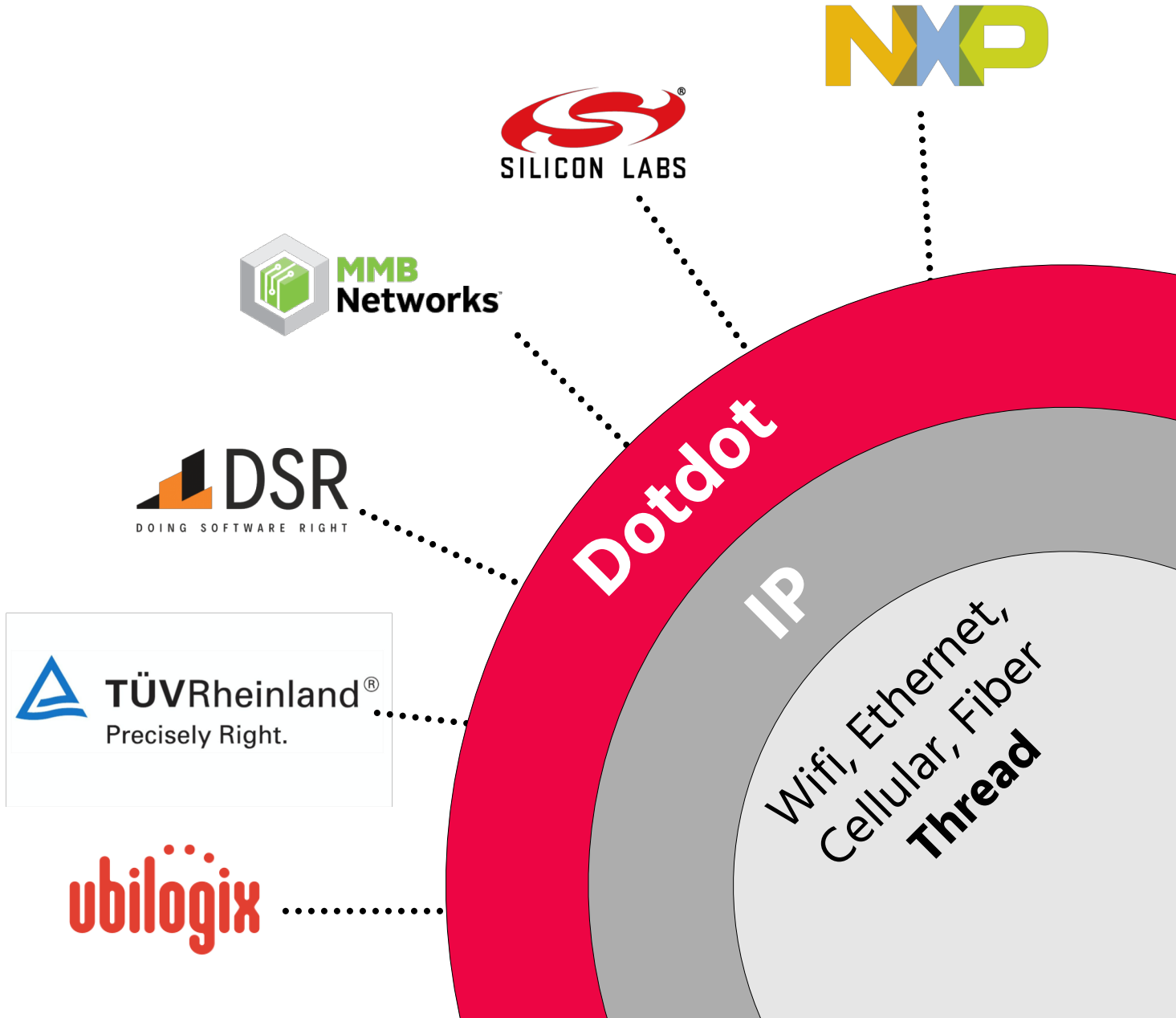
Source // xkcd.com

Dotdot + Thread is Deployable

Leverages two of the most widely adopted and deployed technologies.

Both have global, competitive supply chains, with vendors at every level and developers with years of experience deploying in the real world at scale.

Major vendors in both organizations are already building with Dotdot + Thread.

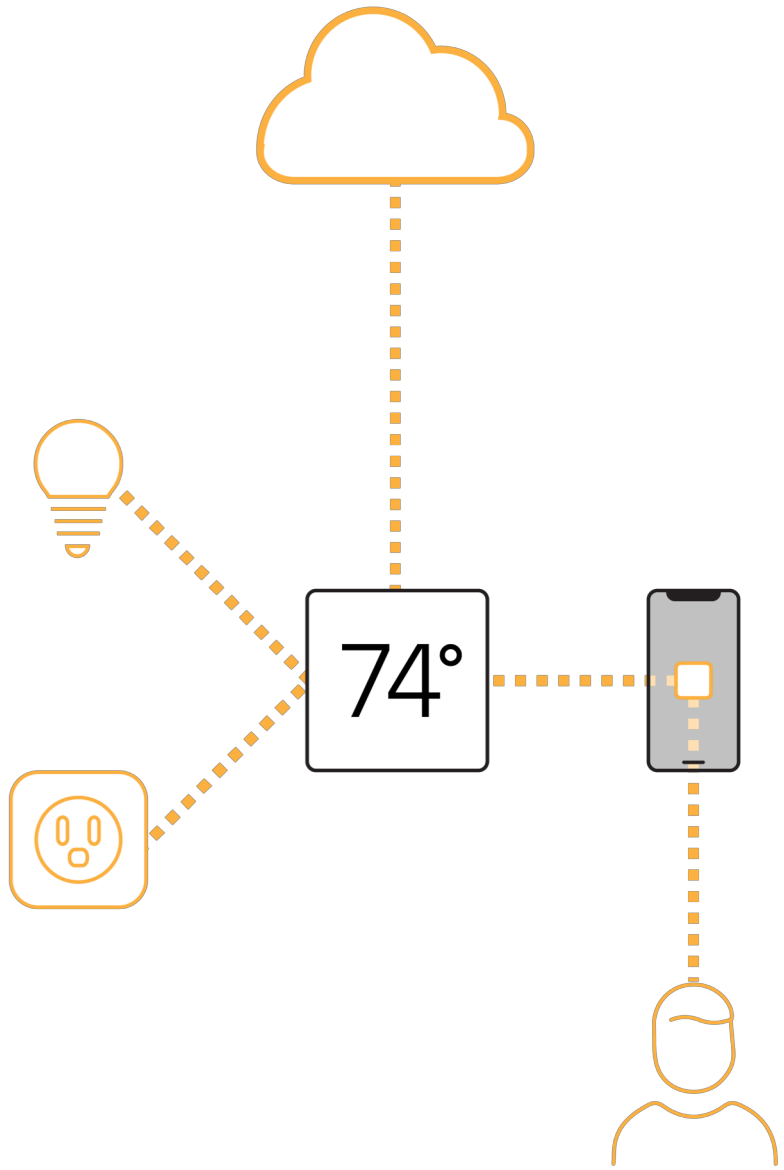


What can Dotdot & Thread Do?

Dotdot + Thread In the Smart Home

Dotdot + Thread is ideal for vendors building smart home devices, who want their products to:

- Connect directly to your cloud so you can maintain a relationship with the device and user
- Connect directly to users' mobile devices and apps
- Interoperate amongst themselves and possibly other devices in the home
- Last for a long time on battery power
- Not require a lot of first-party infrastructure
- Be easier to support



Dotdot + Thread

Non-IP Technologies

Non-IP technologies can be a challenge for device vendors who want their products to:

Connect directly to your cloud so you can maintain a relationship with the device and user

Connect directly to users' mobile devices and apps

✓ Interoperate amongst themselves and possibly other devices in the home

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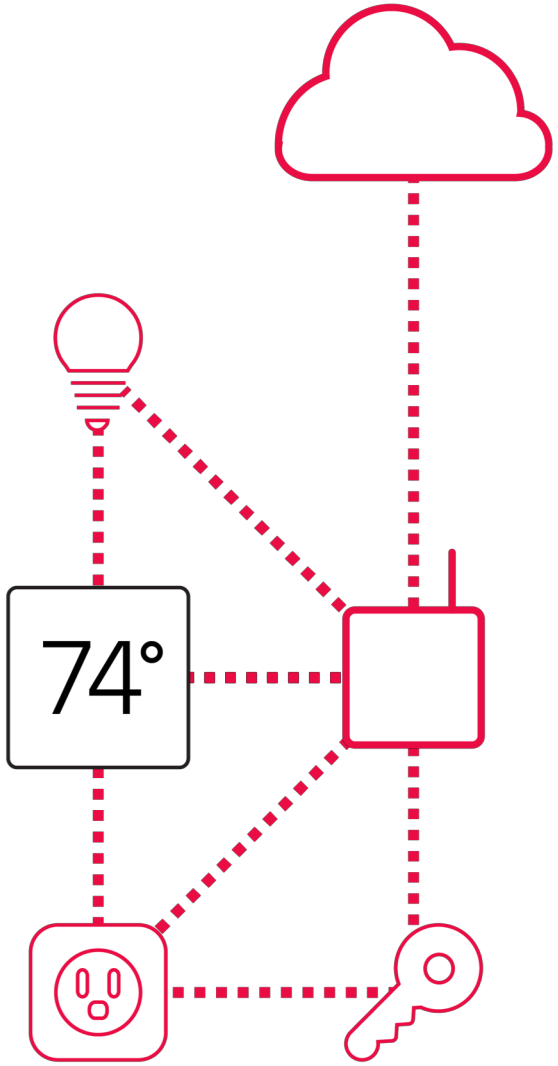

Dotdot + Thread

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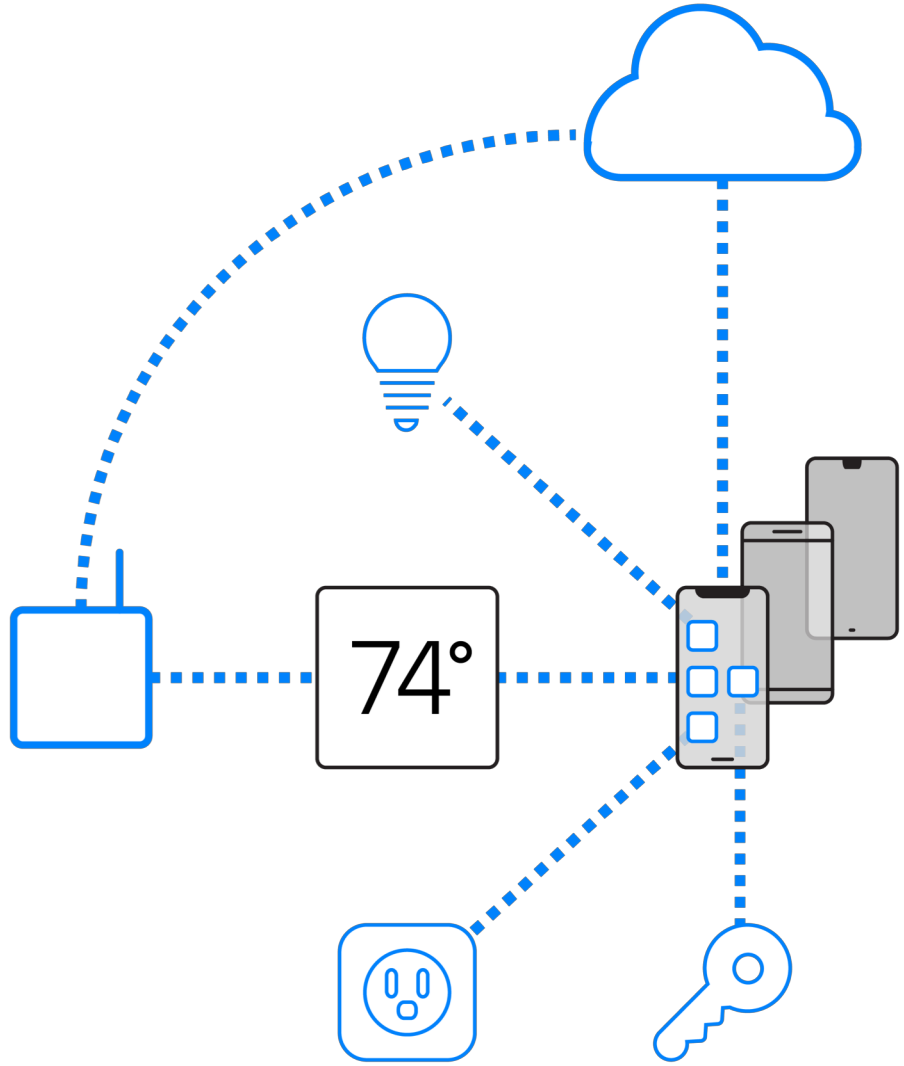


Dotdot + Thread

Wi-Fi

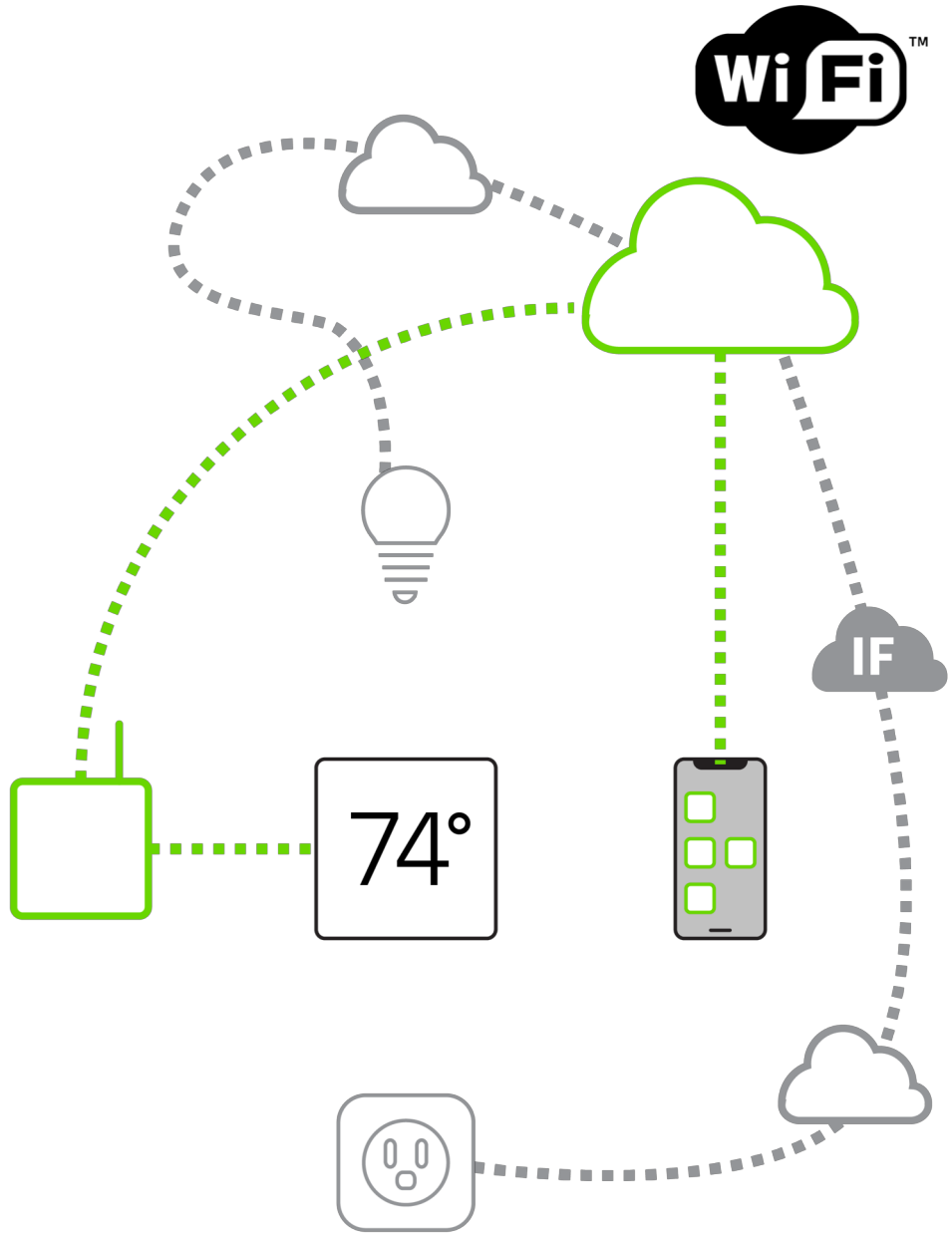
Wi-Fi can be a challenge for device vendors who want their products to:

- ✓ Connect directly to your cloud so you can maintain a relationship with the device and user
- ✓ Connect directly to users' mobile devices and apps

  Interoperate amongst themselves and possibly other devices in the home

  Last for a long time on battery power
- ✓ Not require a lot of first-party infrastructure

  Be easier to support



Dotdot + Thread In the Smart Home

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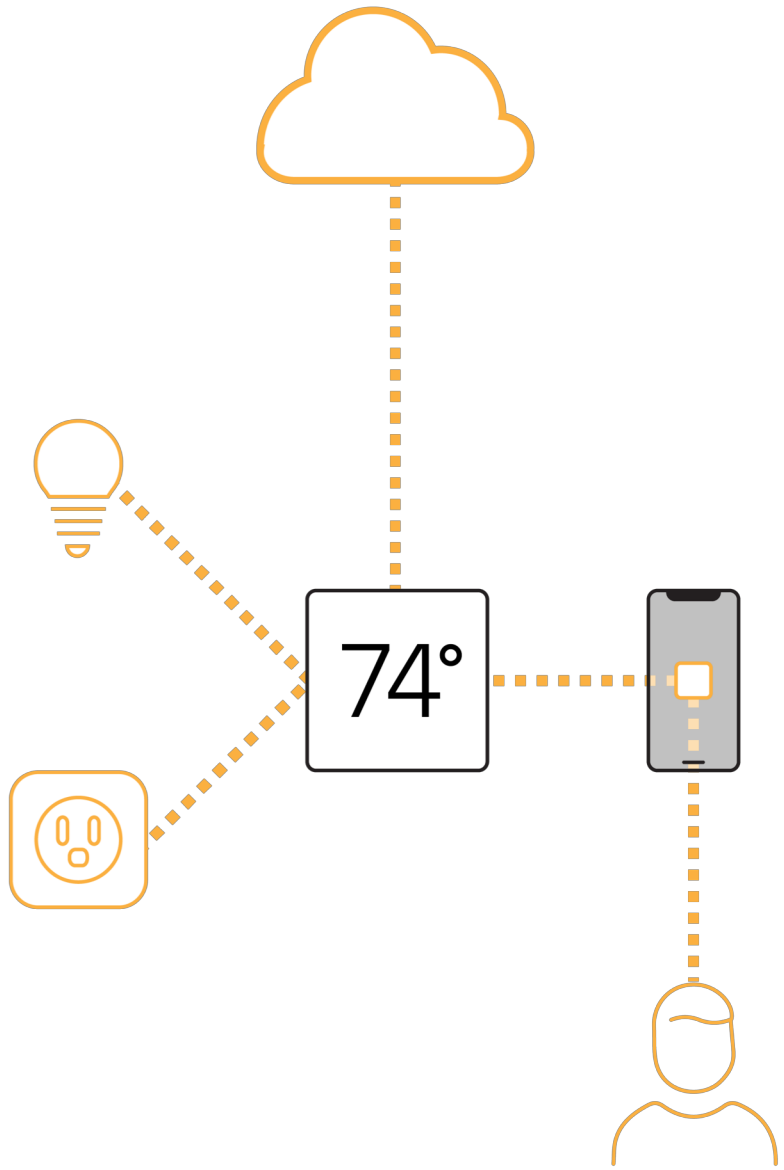
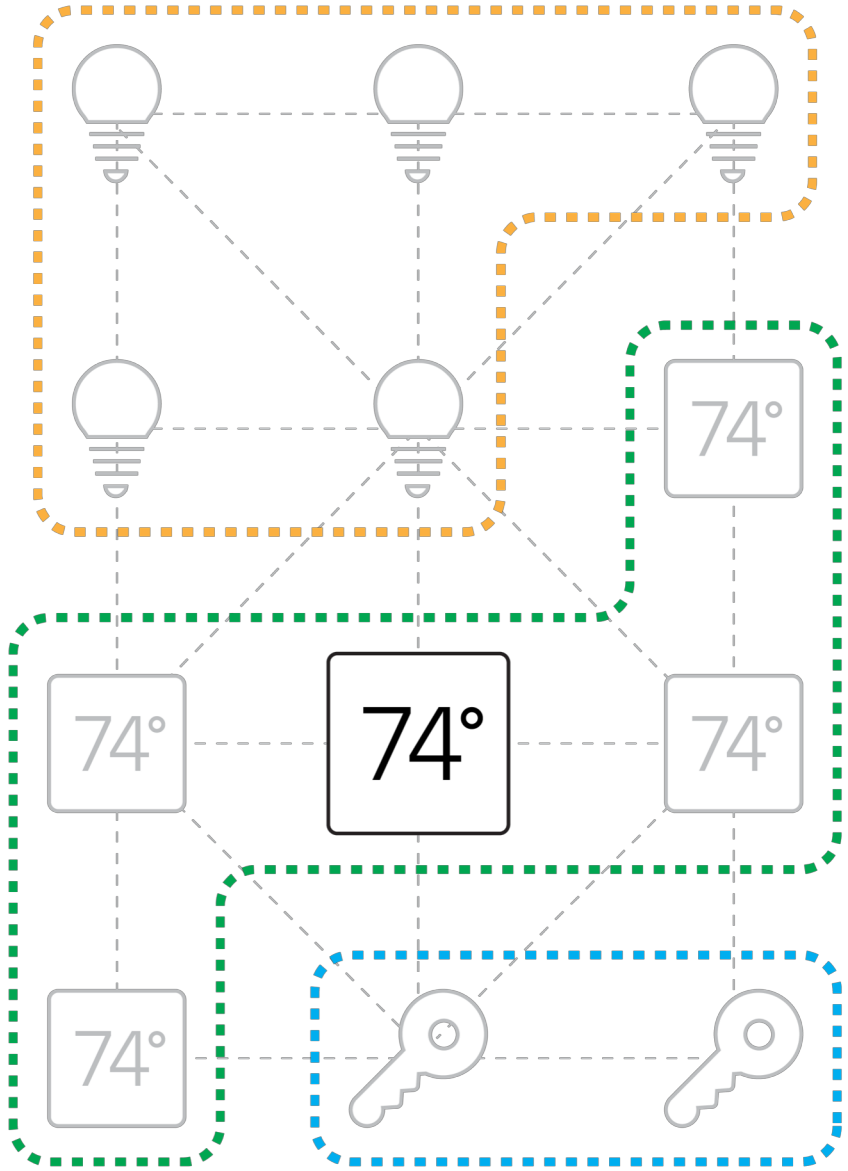


Dotdot + Thread in Commercial

Dotdot + Thread offers similar advantages for commercial applications.

- Works with existing IP infrastructure and management
- Ability to share a common infrastructure but separate applications
- IP can run multiple application layers
- Multi-protocol chips offer best-of-both functionality



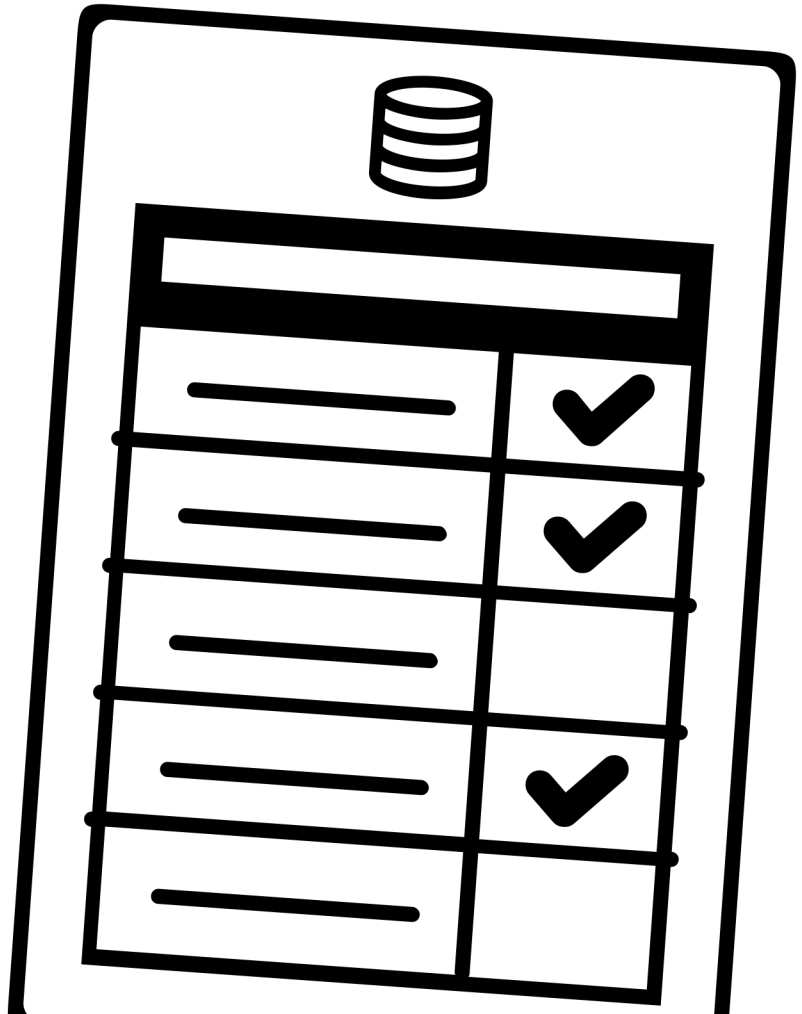
Getting started (and getting to market) with Dotdot & Thread

Dotdot + Thread is Available

The Zigbee Alliance has recently ratified Dotdot as a complete specification. This means Dotdot is out of development, and is ready for implementation by product developers.

Dotdot is available exclusively to Zigbee Alliance members at all levels through the Specifications area in the Zigbee Alliance workspace.

To get started with Thread, visit the Thread Resources page at **threadgroup.org/Support**

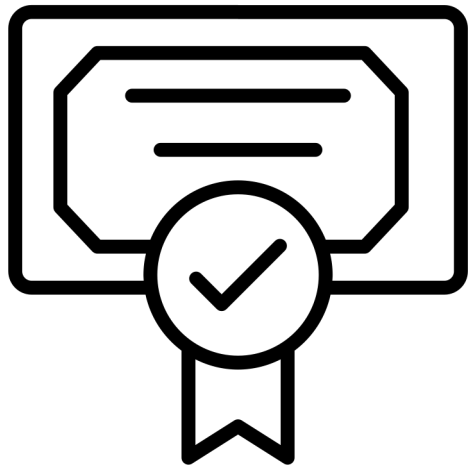


Dotdot + Thread is Certifiable

Starting in Q1 2019, the Dotdot test harness will be available and Dotdot will be certifiable through multiple test houses.

TÜV will be the first test house to offer both certifications, with more to be announced in 2019.

Vendors must be members of both the Zigbee Alliance and Thread Group, and will receive both certifications.



Dotdot Test Houses

element

TÜVRheinland®
Precisely Right.

Thread Test Houses

7layers
A Bureau Veritas Group Company

DEKRA

SGS

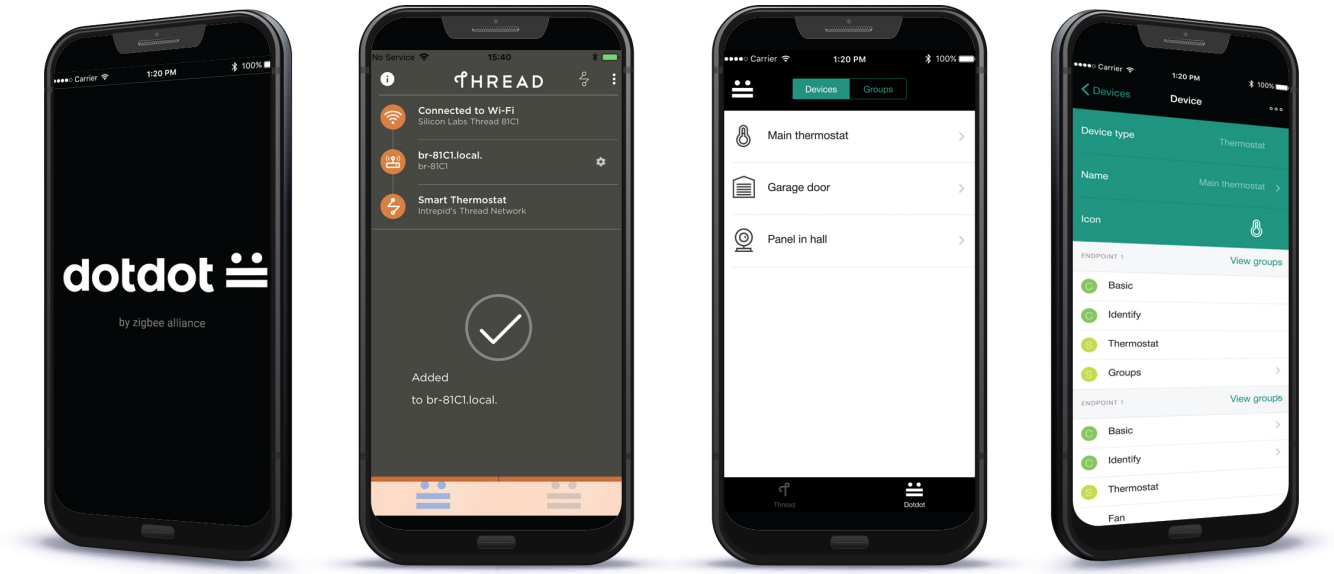
TÜVRheinland®
Precisely Right.

UL Underwriters Laboratories

Dotdot + Thread is Usable

As part of the Dotdot + Thread ecosystem, the Zigbee Alliance has developed a Dotdot commissioning application for mobile devices, built on top of the original Thread commissioning app.

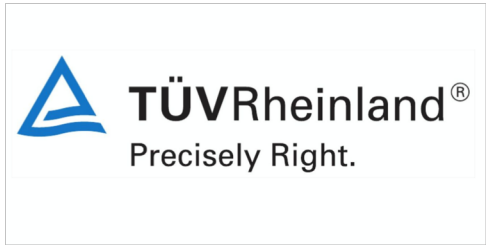
This gives developers a tool for creating Thread networks and joining Dotdot devices to it, and also a code base for inclusion in your own product apps.



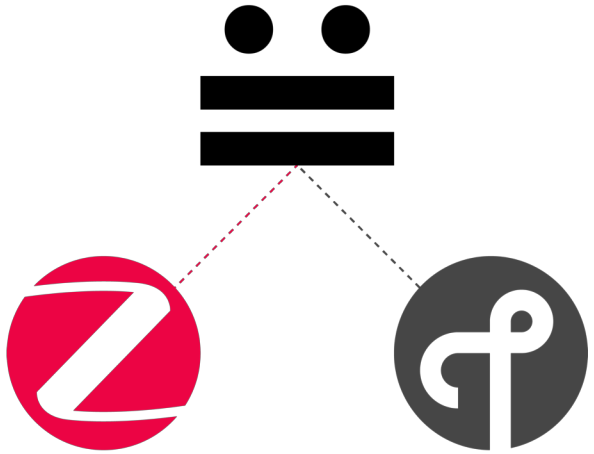
Dotdot + Thread is Supported

Dotdot + Thread software, hardware, and development support is available from multiple vendors, with more to come.

Contact the Zigbee Alliance, Thread Group, or any of these companies, to find out how to get started building Dotdot + Thread products.



Dotdot + Thread
Start connecting the dots



The best way to get started is to join both organizations, get access to the specs, and see how your peers and the industry are moving forward with Dotdot + Thread.

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THREAD GROUP

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Q&A

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