Introduction

July 15th 2014

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THREAD The need for a new wireless network

We are entering a new era of connected products

There needs to be a low power mesh network in addition to Wi-Fi in your home

We wanted to use an existing wireless mesh protocol

But none fit our requirements well enough

Some came close but were not suitable for homes and CE products

After talking with other companies it was clear that they shared the same concerns

So we started working on a new wireless mesh protocol. One that was built on existing standards but legacy-free

Working as a group of companies to make Thread better

Requirements:

New wireless home network

- ✔ Low power
- ✔ Resilient (mesh)
- ✔ IP-based
- ✔ Open protocol
- ✔ Secure and user friendly
- ✔ Fast time to market
- ✔ Existing radio silicon

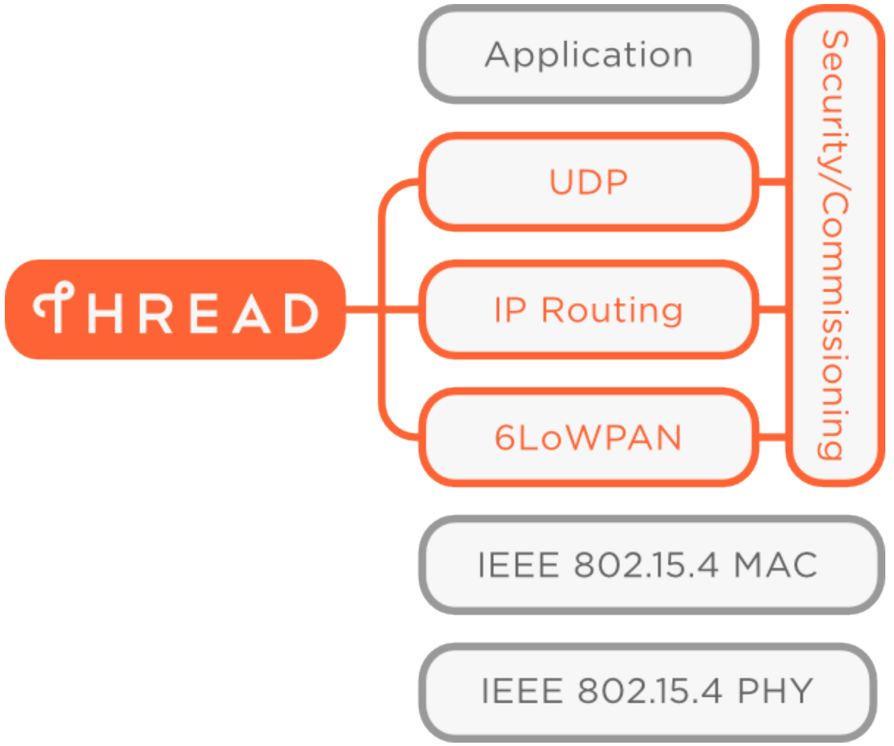
THREAD What it delivers

A secure wireless mesh network for your home and its connected products

- Built on well-proven, existing technologies
- Uses 6LoWPAN and carries IPv6 natively
- Runs on existing 802.15.4 silicon - product development can start today
- Designed with a new security architecture to make it simple and secure to add and remove products
- Supports 250+ products per network
- Designed for very low power operation
- Legacy-free design

A version of Thread is shipping in products today

Thread can support many popular application layer protocols and platforms

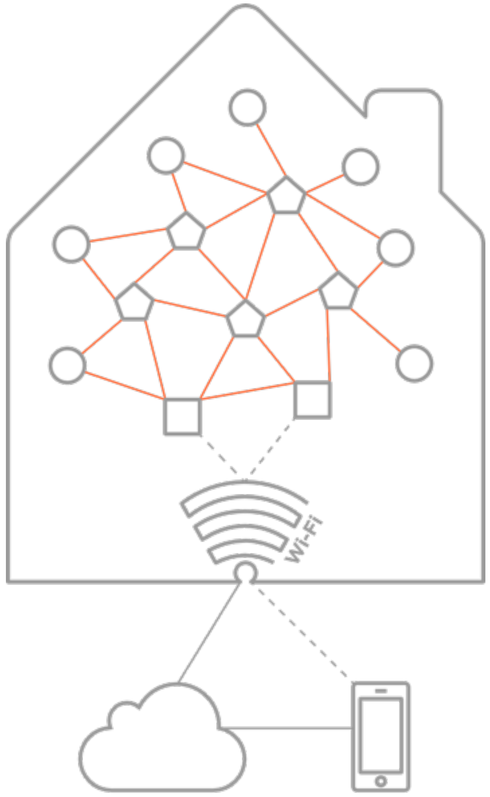


A software upgrade can add Thread to currently shipping 802.15.4 products

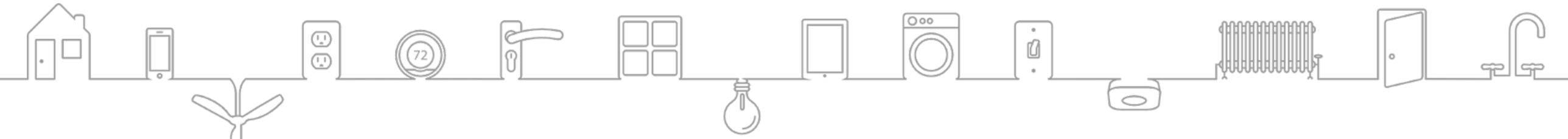
THREAD Target applications

Thread is designed for all sorts of products in the home

- Appliances
- Access control
- Climate control
- Energy management
- Lighting
- Safety
- Security



Devices working together to form a cohesive mesh network

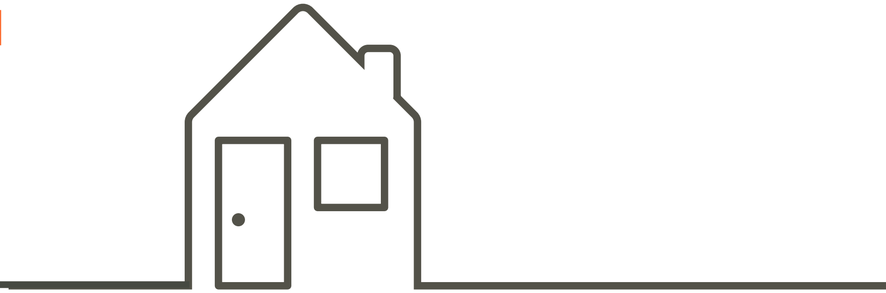


THREAD GROUP

We've created the Thread Group

- Not another standards body
- A market education group offering product certification
- Promoting Thread's use in connected products for the home
- Thread will offer rigorous product certification to ensure security and interoperability

Thread has been founded by 7 companies



ARM · BIGASS FANS No Equal · freescale semiconductor · nest · SAMSUNG · SILICON LABS · Yale

THREAD GROUP

Board of Directors

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Secretary: Bill Curtis - ARM

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THREAD What comes next

Thread launched on July 15th 2014

We are collecting interest in membership

The Thread Group will be open to any company who wishes to join

Membership applications start later in 2014

Detailed technical documentation and member meetings will become available later in 2014

The Group is developing a product certification program

This program will be open to members in the first half of 2015

Thread based products are already in development

CONNECTS WITH THREAD

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