



THREAD SMART HOME

FACT SHEET

WHAT IS THREAD?

Thread is a low-power wireless mesh networking protocol based on the universally supported Internet Protocol (IP), and built using open & proven standards. Thread was designed with one goal in mind: to create the very best way to connect & control products in homes & buildings.

We designed Thread to deliver these important benefits:



BASED ON IP

Thread is an IPv6-based mesh network, with 6LoWPAN as its foundation. Standardized interfaces and Thread's IP protocols benefit IoT ecosystem developers with an accelerated development pace, future-proof products and applications, and the ability to stay connected to end users and data.



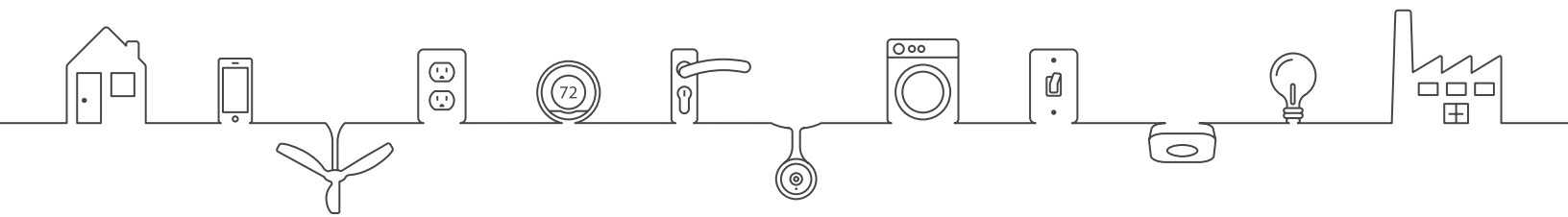
FLEXIBLE & FUTURE PROOF

With Thread, developers can bring their apps, devices, systems and services to-market fast because they're using the same rich set of tools available for the Internet. What's more, application layer and cloud services in Thread devices can be changed over time because Thread is application layer agnostic.



CONVERGENCE & COEXISTENCE

Thread is application layer agnostic, offering the flexibility to deploy one (or multiple) app layers such as Matter and HomeKit. For example, Matter is a common language which enables smart home devices to communicate. Its goal is to simplify the smart home by allowing smart devices to work with each other across platforms and ecosystems, regardless of the device manufacturer. Thread, as a low-power, secure, and reliable IP-based transport, enables Matter devices to be easily added to the network and complete the IP infrastructure.



CERTIFICATION

Certification provides an official, independent proof-point of a product's functional conformance to the Thread specification & interoperability performance with market-leading Thread reference implementations.

Thread Group members can easily integrate their technologies into the growing array of Thread-enabled products with two options for certification.

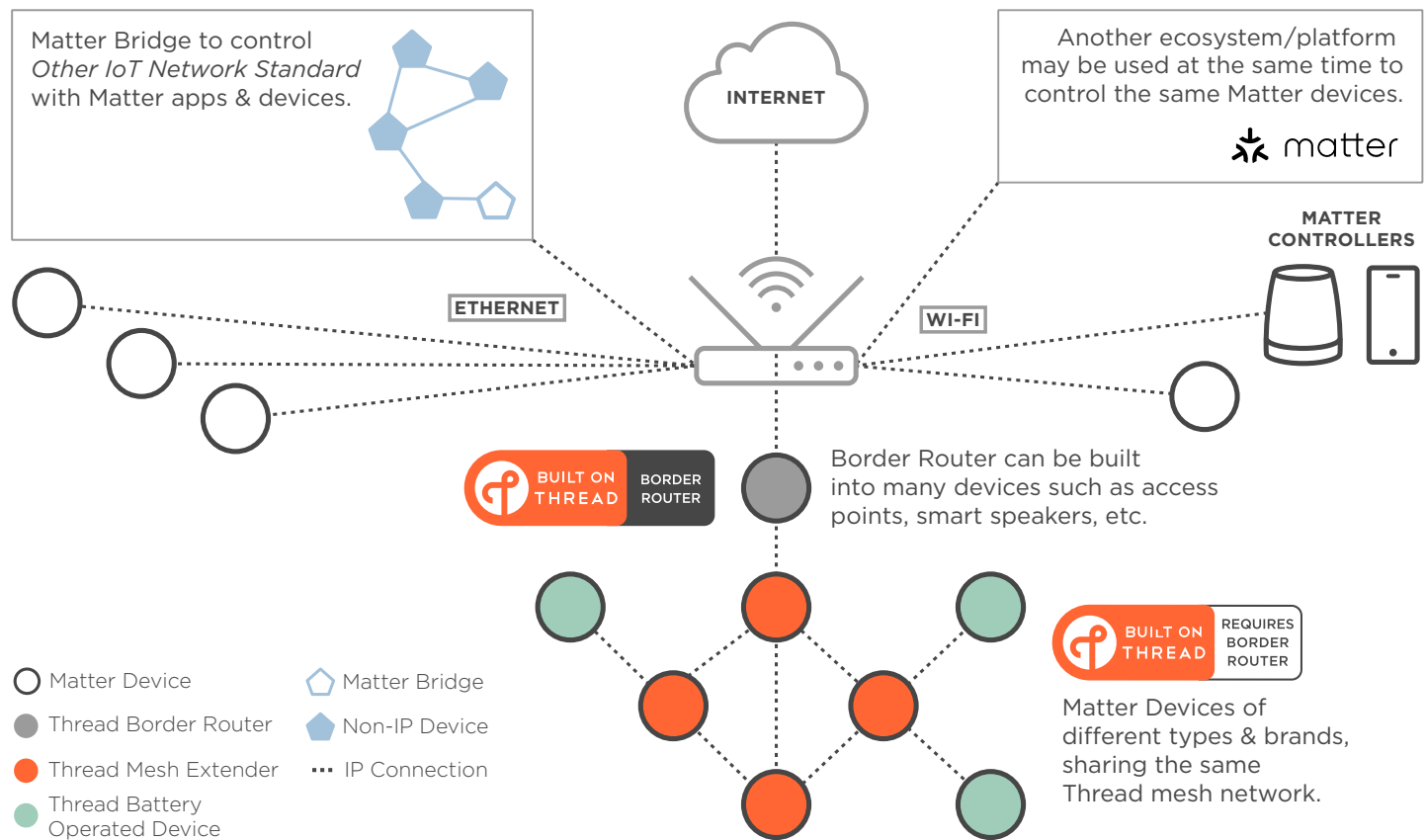
Certification by Inheritance

Available to Implementer members who are module & turnkey solution providers that are buyers of Thread Certified Components, as well as companies wanting to adopt and ship Thread-enabled technology.

Certification by Authorized Test Lab

Available to Contributor members that want to implement and ship Thread technology and contribute to the future of IoT devices and products.

THREAD NETWORK TOPOLOGY



THREAD DEVELOPMENT ECOSYSTEM

Developers can select from a number of Thread certified stacks, silicon platforms or modules to build their products or choose from an array of certified Thread products to build or participate in an ecosystem.

WHY JOIN?

Join our global ecosystem of members who have a shared vision to transform smart homes and buildings utilizing Thread's low power wireless technology.

From emerging startups to leading global brands, Thread Group members have access to an extensive network of companies with a common goal of creating the best way to connect and control products in homes and buildings.

Member benefits include access to Thread's rigorous testing and certification programs along with participation in marketing and PR campaigns and industry events. Membership also includes intellectual property rights for Thread technology—with no licensing or royalty payment.



THREAD GROUP

5000 Executive Parkway, Suite 302 | San Ramon, CA 94583 | help@threadgroup.org | +1.925.275.6644 | threadgroup.org