

# Orange Innovation



## Presentation to oneM2M

15th July 2022

What is ?



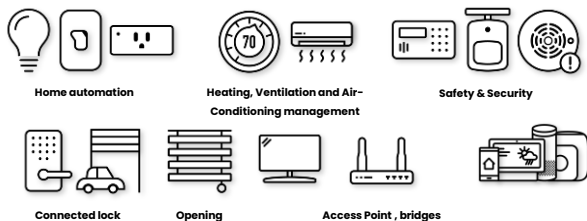
matter

## One ecosystem

Matter is a protocol backed by the big players, for any IP-based connectivity



Many device makers are already in the Matter ecosystem



## A promise to the user

- 1. Simplicity** : Easy to purchase and use
- 2. Interoperability** : Devices from multiple brands work natively together
- 3. Reliability** : the more devices you have, the more efficient is the network
- 4. Security** : a closed network controlled by a strong authorization mechanism.

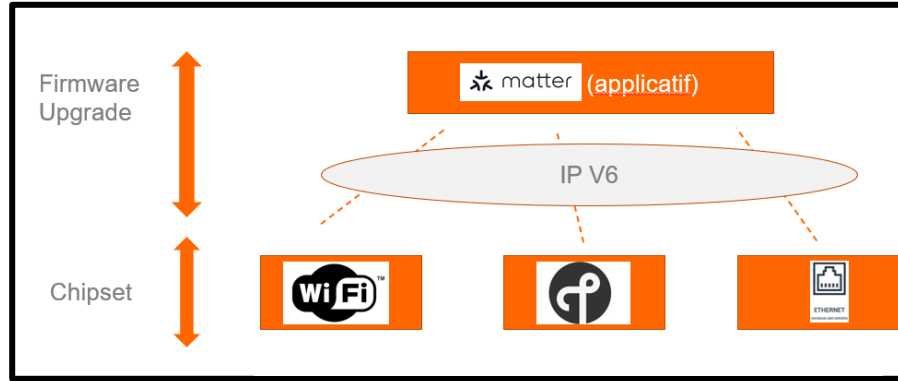




matter

## impacts on the home connectivity

Thread and Wi-Fi : 2 complementary technologies in a Smart Home



**Service Logic :**

- ✓ Matter protocol



**Connectivity :**

- ✓ Wi-Fi Access Point
- ✓ Thread Border Router

### Wi-Fi



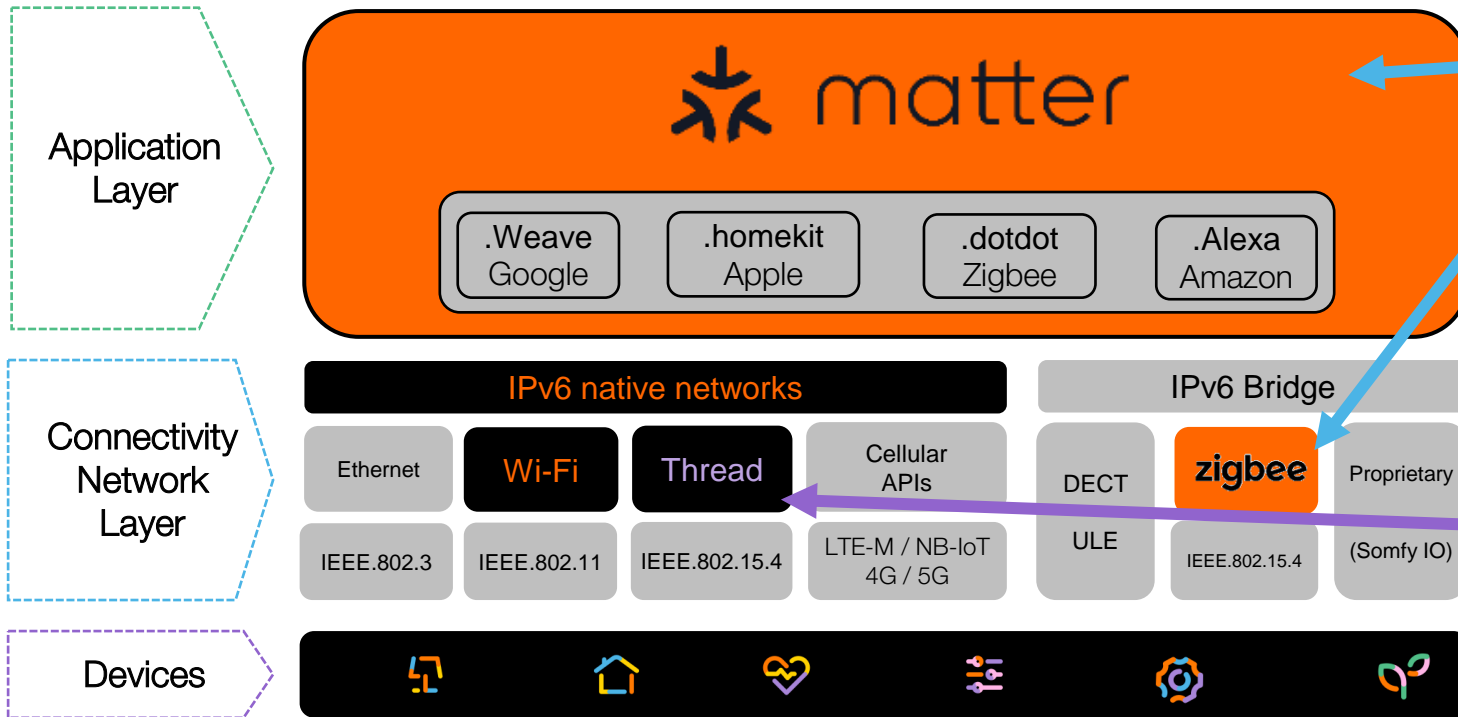
- Low Latency
- High Throughput
- A given number of objects
- Compete: on Access Points

### Thread



- Low Energy
- Low Throughput
- A large number of objects
- Collaborate: mesh network

# matter in the overall technical picture



# MATTER in the overall standard picture

## CSA (Connectivity Standard Alliance)

Since 2002 (was Zigbee Alliance till 2021)

-  matter protocol
- Zigbee protocol
- Open-Source code

 **Board members**



The image shows the CSA logo at the top right of a blue header. Below the header, logos for matter and zigbee are displayed. The next section contains logos for green power, smart energy, jupiterMesh, and rf4ce. The final section contains the logo for dotdot.

CSA => [www.csa-iot.org](http://www.csa-iot.org)  
Matter => [www.buildwithmatter.com](http://www.buildwithmatter.com)



## Device Makers are shifting to Matter



### General

- **Smart Home** becomes a reality
- **Simple pairing** (QR code)
- **Thread Border Router** already embedded in few SmartSpeakers or SmartDisplays (no need for a new bridge).

### Comcast



- First WiFi6E/Zigbee and Matter home Internet gateway

### Amazon and .....

- **Matter = common language** between all the connected devices **to simplify and enrich the user experience** (smartTV, Smart Home, Voice Assistant,...).
- The **SmartSpeaker/Display** as the LAN orchestra director.
- **Eero Access Points** : hub for all the connectivity (Wi-Fi and Thread)
- **SDK** : developers community to enrich the ecosystem services

... **Google, Apple, Samsung**

LG, Sengled, GE, Eve, Nanoleaf, Belkin, Aqara, Arlo, Schlage, Netatmo (Legrand), Yale, Tuya,

# Thank you

