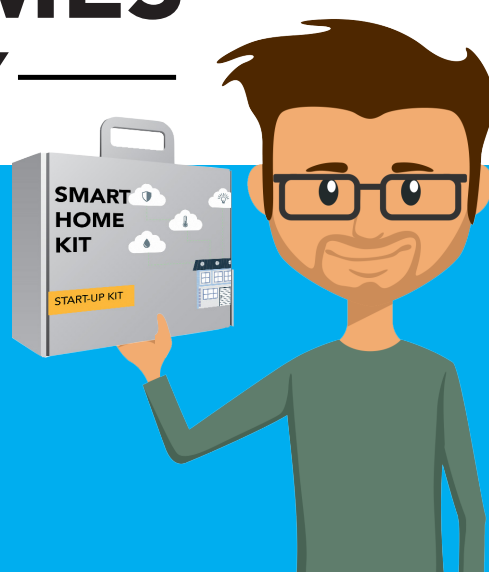
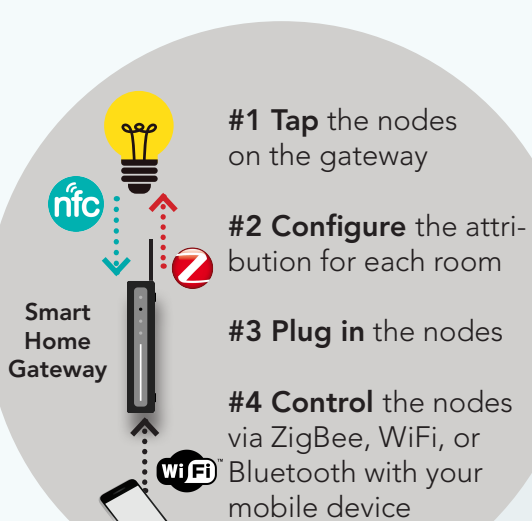


# SMART HOMES — MADE EASY —



Today, mobile network operators make it easy to get your own Smart Home Kit. The complexity often comes with the first setup of devices that are as diverse as the standards in which they operate. NFC promises to make this process as easy as tap and connect.



## STRONGER TOGETHER

It's not a question of either or, NFC is perfectly complementary with other wireless technologies, whether it's ZigBee, WiFi, Bluetooth, or any other RF protocol.

## SMART HOMES: JUST A TAP AWAY

NFC provides simplicity to the entire home network. With just a tap, new objects and devices are quickly and reliably connected to the home's network.



## TAP AND CONNECT

If all devices and objects are equipped with NFC tags, a simple tap is all that's needed to exchange credentials and connect everything together.

The connection can either be built through a **Smart Home Gateway** or with the help of an NFC-enabled **smartphone**.

**Standard:** ISO/IEC 18092, NFC Forum  
**Frequency:** 13.56 GHz  
**Active/passive:** Active, passive  
**Range:**  $\longleftrightarrow$  max. 10 cm



**Standard:** IEEE 802.15.4  
**Frequency:** 2.4 GHz  
**Active/passive:** Active  
**Range:**  $\longleftrightarrow$  > 100 m



**Standard:** IEEE 802.11  
**Frequency:** 2.4 GHz  
**Active/passive:** Active  
**Range:**  $\longleftrightarrow$  > 100 m



**Standard:** IEEE 802.15.1  
**Frequency:** 2.4 GHz  
**Active/passive:** Active  
**Range:**  $\longleftrightarrow$  > 10 m

## 5 REASONS

to equip your smart home with NFC

- 1 Platforms-agnostics**  
Following NFC Forum specifications, NFC technology supports any kind of protocol. Moreover it's supported by a large population of smartphones and tablets.
- 2 Easy & reliable**  
Since NFC network keys can be exchanged with a single tap, regardless of manufacturer or supplier, the smart-home setup becomes truly plug-and-play.
- 3 No power supply for registration**  
Working in passive mode is a significant benefit, from the standpoint of power consumption, since NFC tags don't need batteries.
- 4 Flexible & scalable**  
With NFC, there's no need to supply credentials to each network object. Commissioning and decommissioning are equally simple, and ensure complete scalability.
- 5 Confidential**  
Unlike long-range network protocols, NFC is a proximity technology that only works at very close range, so it reduces the risk of eavesdropping. Integrating a secure element adds an extra level of security.

benefits + for the ecosystem

### MSO/MNO

- > Increase end-user satisfaction
- > Limit post-sales services
- > Bridge multi-network systems with ease

### ODM

- > Ensure maximum interoperability with all standards

[www.nxp.com/nfc](http://www.nxp.com/nfc)