

Make your device, wearable, or accessory stand out with an exceptional user experience using

# Bluetooth Secure Simple Pairing with NFC



Tap an NFC device with an NFC-enabled smartphone or tablet to connect. Simple and Seamless.



## What happens when you tap?

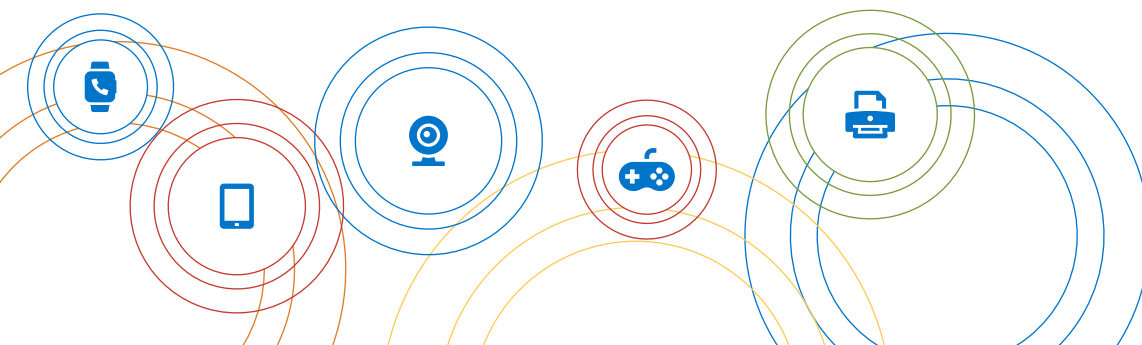
The tap triggers the turn-on of a device and establishes a connection to another network technology, such as Bluetooth or Wi-Fi. In addition to the connection establishment, the NFC tap can also trigger an action such as sending a document to a printer or connecting to a speaker.

## Why use Bluetooth Secure Simple Pairing with NFC?

- Fast, intuitive, hassle-free connection
- Power-up and connect with one tap
- No manual set up
- No interference from other nearby internet-enabled devices
- Secure way to pair Bluetooth devices without the need for menu selections or codes

## Why more companies are including NFC in their Bluetooth products:

- Improved user experience
- Enabler of Internet of Things
- Increased customer affinity and brand loyalty



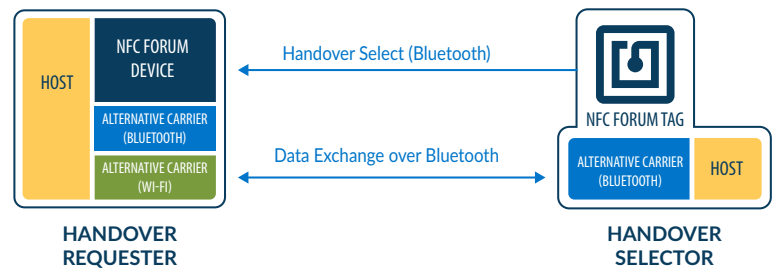
# The many possibilities for Bluetooth Secure Simple Pairing with NFC within the Internet of Things:



## How NFC works with Bluetooth Secure Simple Pairing (BTSSP):

(otherwise known as Connection Handover)

This graphic shows NFC Forum Connection Handover specification: Static Handover. For a complete picture of the NFC Forum Connection Handover specification, see <http://nfc-forum.org/technical-specifications/>



## How Simple Is Bluetooth Secure Simple Pairing to Implement in Your Product?

It only requires the following steps:

- 1 Download the NFC Forum specifications
- 2 Integrate an NFC tag with your design in one of the following ways:
  - a) Use a static, passive NFC tag (very small, e.g. a tiny sticker)
  - b) Use a connectable NFC controller or an integrated SoC solution (requires an external antenna) – allows to change tag data dynamically, enabling security
- 3 Define Bluetooth Connection Handover (BCH) data based on the [BTSSP document](#)
- 4 Write the defined data to the tag
  - a) Write the static tag
  - b) Integrate the data as part of the software controlling the NFC hardware

Outstanding customer experience is just a tap away.

Learn more about NFC technology and why you should implement it in your next product.

<http://nfc-forum.org/nfc-and-bluetooth/>

Make your impact on the NFC ecosystem. Join the NFC Forum.

<http://nfc-forum.org/join>

