

Invention Title

Phone backup/sync using Wi-Gig

Invention Summary This disclosure proposes to activate the Wi-Gig interface as soon as the accelerometer running on a smartphone detects that the phone is about to fall and thereby data is synched over the Wi-Gig interface to a home media server due to the high speeds offered by 60Ghz.

Invention Description This disclosure proposes the use of Wi-Gig interface to back up the data before the phone actually hits the ground- due to the high speeds offered by 60Ghz.

More information can be found in the attached ppt.

Invention Commercial Value/Customers Most of the end users who use smartphones are scared of dropping their phones; the main reason being data backup. If a phone accidentally falls down or is about to fall, there is no mechanism to pre-save the data on the phone. The user has to wait until the phone gets fixed and at times, the data might not be retrievable (depending on the type or intensity of the fall).

This disclosure proposes the use of Wi-Gig interface to back up the data before the phone actually hits the ground due to the high speeds offered by Wi-Gig.

Invention Differences Currently there is no such way of backing the data.

Using Wi-Gig for data backup/Sync

Dec 2014

Problem Statement

- Currently, there is no mechanism to backup data when a mobile phone (smartphone) falls down.
 - It may take days/months depending on the type of fall and the type of the smartphone to fix it.
 - Meanwhile, most of the data becomes irretrievable and thereby causes the a lot of inconvenience to the user.

Solution- High Level

- We are proposing to turn on the Wi-Gig interface as soon as a fall is detected by the accelerometer in the phone.
- Backup/Data sync then happens via the Wi-Gig interface.
- The data is backed up to the central home server which is on the same home network as the phone.
 - This disclosure assumes that in the near future as more and more devices start supporting Wi-Gig (60Ghz), most of them will come with an additional 60Ghz interface apart from the 2.4Ghz and 5Ghz.

Solution- In detail

Home media
server



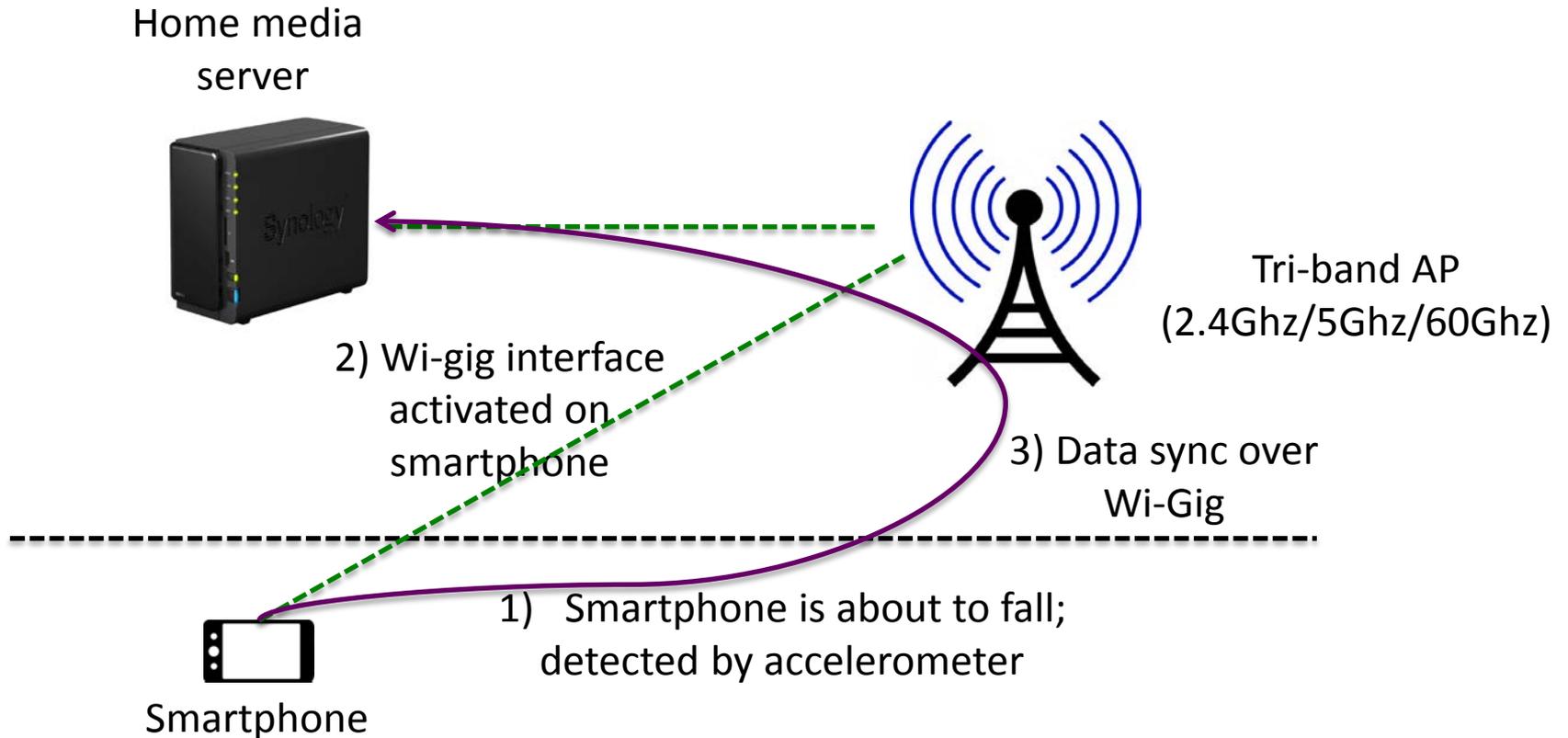
Tri-band AP
(2.4Ghz/5Ghz/60Ghz)



Smartphone

Step 1: Smartphone and Home Media server are on the same network connected either 2.4Ghz or 5Ghz on the home AP.

Solution- In detail (contd)



Step 2: Accelerometer on the phone detects a fall and it instantly turns on the Wi-Gig interface.

Step 3: Over the Wi-Gig interface which is capable of serving multiple Gbps of data over a period of seconds, the phone transfers all the active data to the home media server over 60Ghz.