

# 5G pocket router

## UX Framework

Version 1.1

December 11, 2019

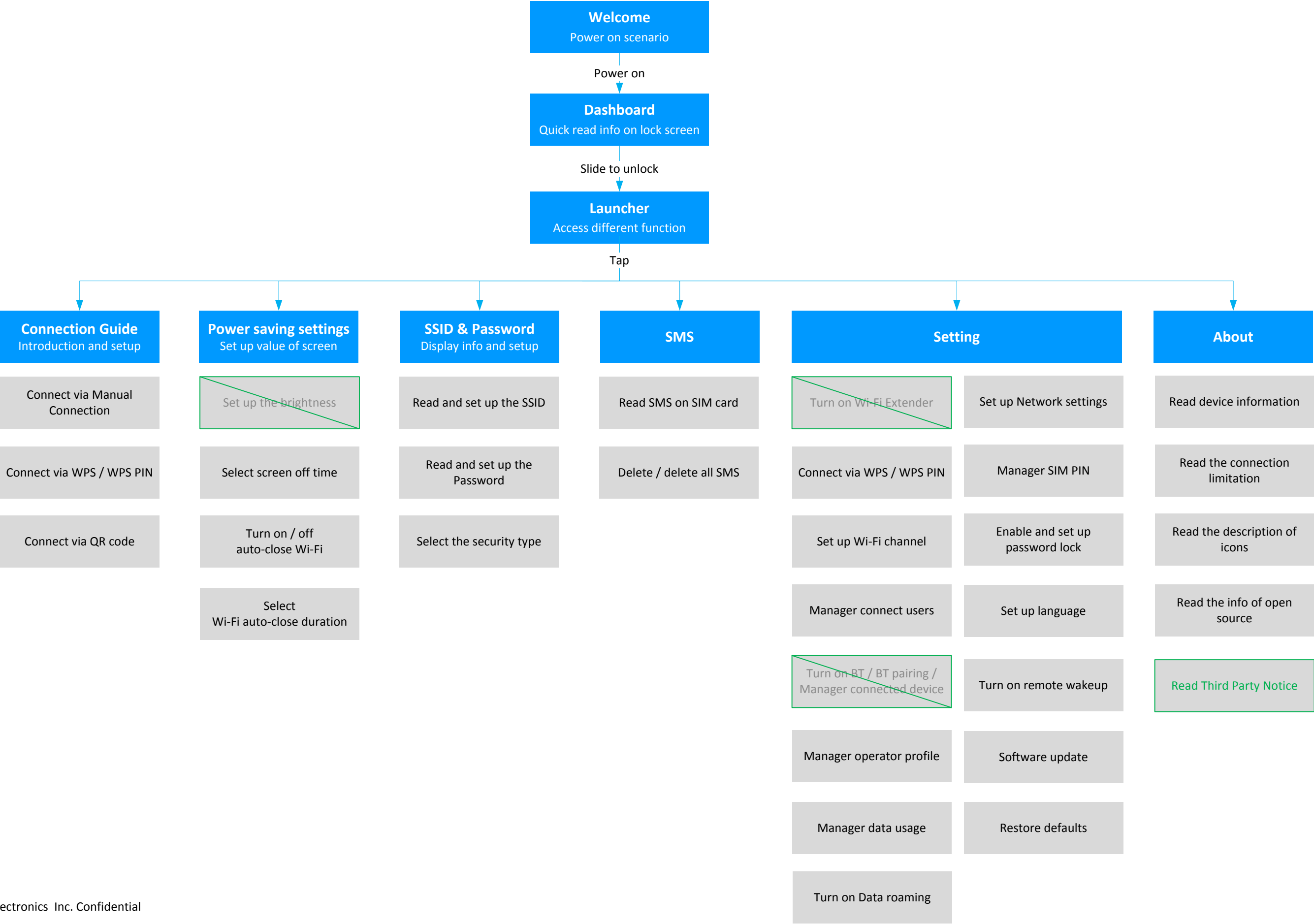
EID / AR / UI

Compal Electronics, Inc

## Revision history

Rev.	Date	Description	Author
V 0.1	2019/02/25	<ul style="list-style-type: none"> <li>Internal release I</li> </ul>	Winnie Chan
V 0.2	2019/03/07	<ul style="list-style-type: none"> <li>Internal release II</li> </ul>	Winnie Chan
V 0.3	2019/03/18	<ul style="list-style-type: none"> <li>Revise the Launcher order. --P5,12</li> <li>Revise the typo of DMF as DFS. --P5</li> <li>Add back function when enter password. --P12</li> <li>Revise the status of tick, if none input. --P7,13,18</li> <li>Revise the status of delete, if none item.--P16</li> <li>Revise the string of input PUK.--P26</li> <li>Remove the item of Heat protection. --P30</li> </ul>	Winnie Chan
V 0.4	2019/04/01	<ul style="list-style-type: none"> <li>Add the meta text description –p.9</li> <li>Remove the note and revise typo of Wi-Fi. –P10</li> <li>Add scroll bar condition list – P.11</li> <li>Revise the brightness list. –P15</li> <li>Add Wi-Fi extender status note. --P18</li> <li>Revise Bluetooth on condition. --P,19</li> <li>Add Home button condition.—P19</li> <li>Revise Bluetooth condition and add the remove list flow.--P21</li> <li>Remove the BT connection loading screen. –P22</li> <li>Add operator name to note and IME tick button condition –P.23</li> <li>Revise the pass code input condition –P.28</li> </ul>	Gwynne Li
V 1.0	2019/10/25	<ul style="list-style-type: none"> <li>Separate WiFi setting with 2.4G &amp; 5G. –p.3, 9, 18, 19</li> <li>Remove “Set Brightness” in Power Saving. –p.3, 15</li> <li>Remove “WiFi Extender” and “BT” in Settings. –p.3, 5, 9, 20,</li> <li>Set tick button to inactive state if keyboard input was empty. – p.7, 16, 21</li> <li>Add “WiFi Enable/Disable” and “Hide SSID” option in WiFi Setting. –P.8, 10, 19</li> <li>Remove the note and revise typo of Wi-FiRemove “WiFi Band”. –P.10</li> <li>Remove QR code button. –p.14</li> <li>Separate 2,4G &amp; 5G in SSID, Add SSID password visible. P.16</li> <li>Add edit button in header for profile management. P.21</li> <li>Remove “BT mac address” and “BT name” in Device Inforamtion. –p.28, 29</li> </ul>	Winnie Chan
V 1.1	2019/12/11	<ul style="list-style-type: none"> <li>Remove symbol ‘. --P7</li> <li>Remove List menu scroll bar. --P11, 17</li> <li>Revise wording Wi-Fi 2.4G, Wi-Fi 5G. --P18, 19, 20, 21</li> <li>Revise the user name as Mac address. --p9, 20</li> <li>Add Third party notice. --P3, 29</li> </ul>	Winnie Chan

Function Structure



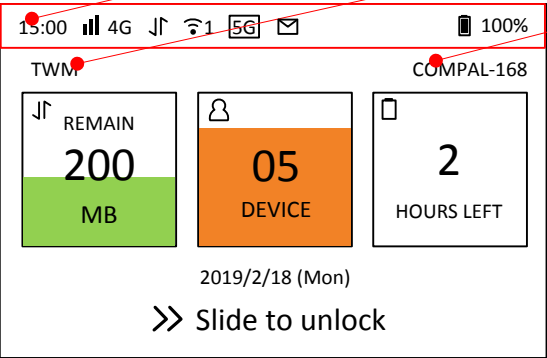
# Wireframe

1. General: status bar, Dashboard, Launcher, Headline, Information page
2. Input method
3. List menu
4. Notification
5. Scroll bar

Wireframe

1.General

1.1. Status bar



- Status bar

Time 24 format

15:00

Signal strength

- Signal strength
- SIM absent indicator

Radio tech

5G	5G = 5G network for Sub-6Ghz or mmWave
4G+	4G+ = Carrier Aggregation enabled
4G	4G = Long Term Evolution (commonly and falsely known as 4G)
H+	H+ = HSPA+ (HSDPA+, HSUPA+)
H	H = HSPA (HSDPA, HSUPA)
3G	3G = UMTS (3G)
E	E = EDGE (2.5G)
G	G = GPRS (2G)
R	R = roaming (this means you're not on your home network)

Data flow indicator

- Upload
- Download
- Both upload and download

Connected users counter

- Connected Wi-Fi device (16)
- Connected Bluetooth device

Wi-Fi band

- Wi-Fi band 5G
- Wi-Fi band 2.4G
- Wi-Fi band 2.4 + 5G

Unread messages

- Unread messages

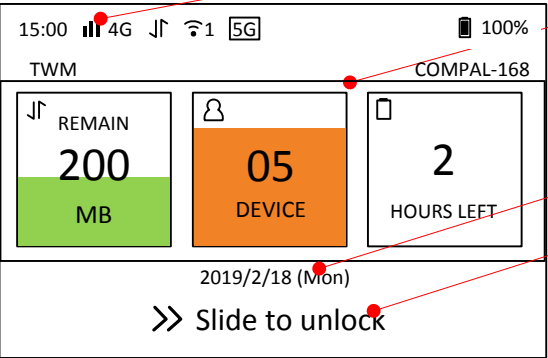
Others

- DFS
- Indoor

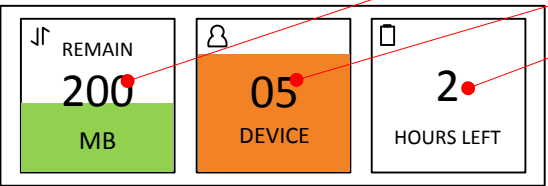
Battery level

- Battery level
- Charging

1.2.Dashboard

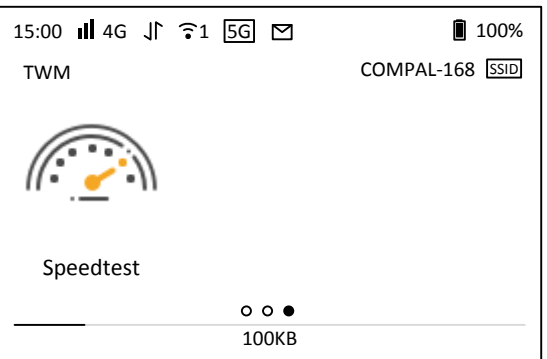
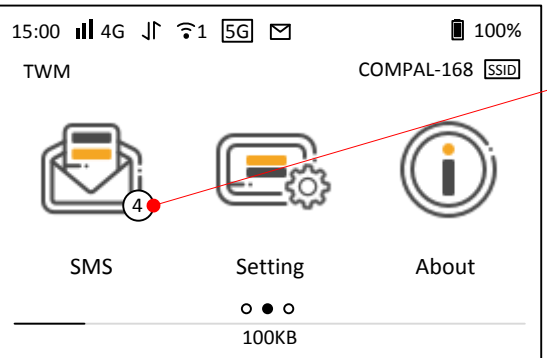
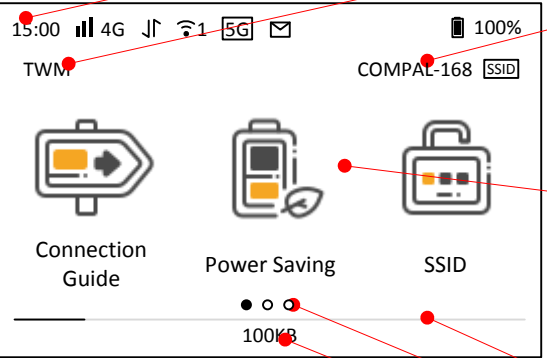


- Dashboard item



Note:  
Real time display the information.  
Read only  
Data usage counter: Indicate the available space of data.  
User number: Indicate the number of connected users.  
Battery percent: Indicate the use of time of power.

1.3. Launcher

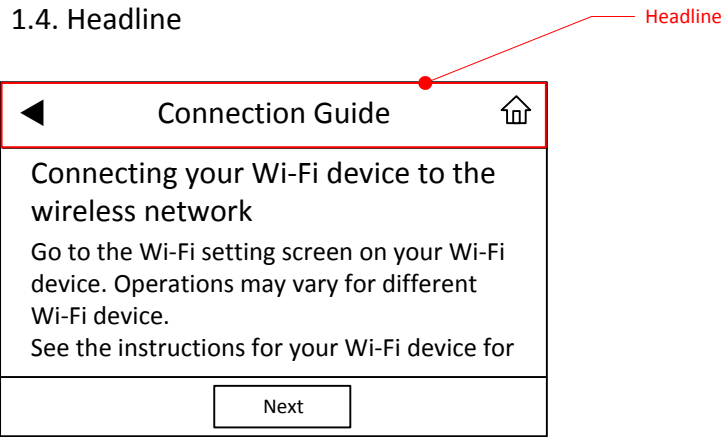


Note:  
Slide to switch full page  
Display an indicator icon with number on SMS

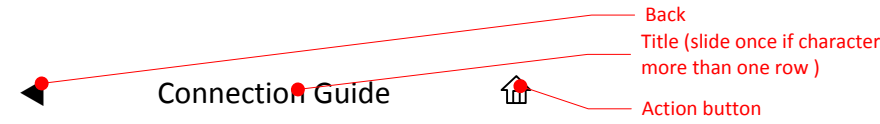
Wireframe

1.General

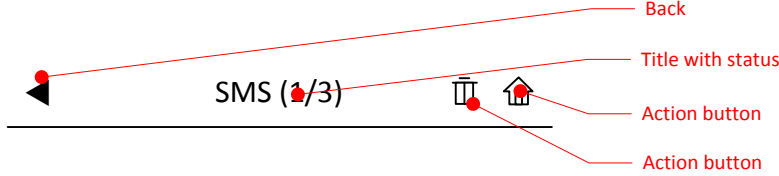
1.4. Headline



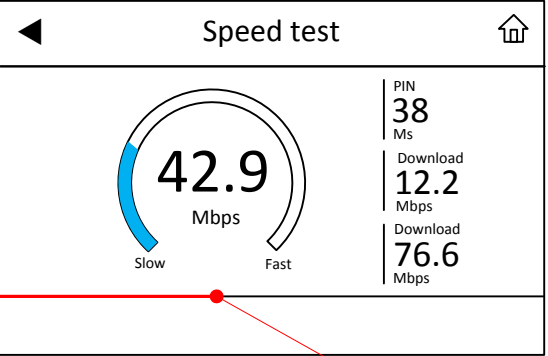
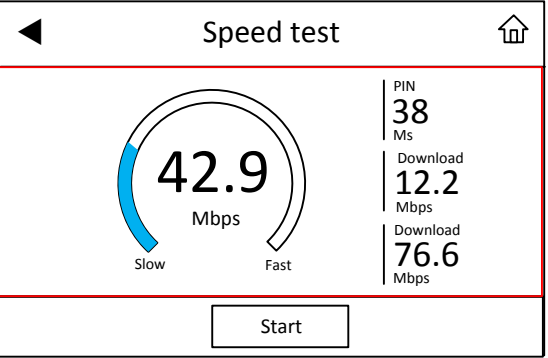
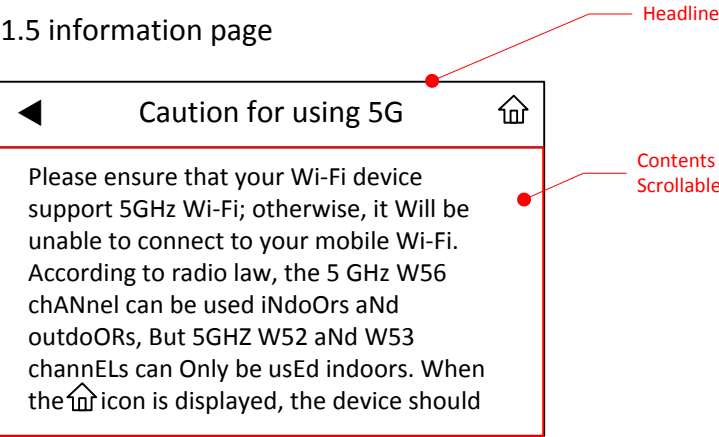
- Title with 2 icons



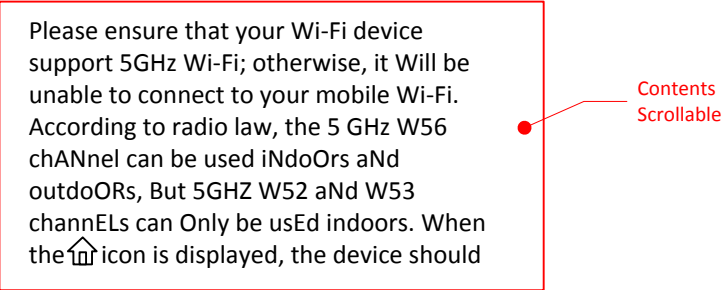
- Dynamic title with 3 icons



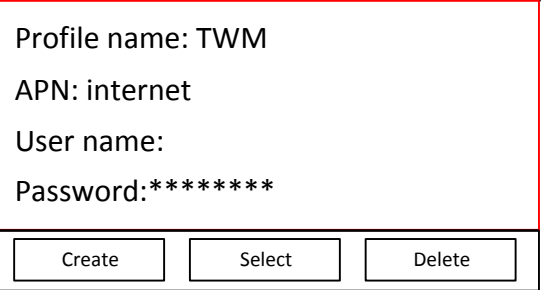
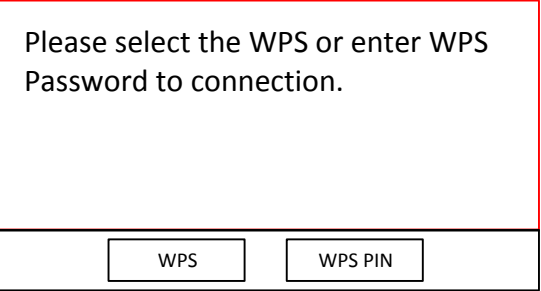
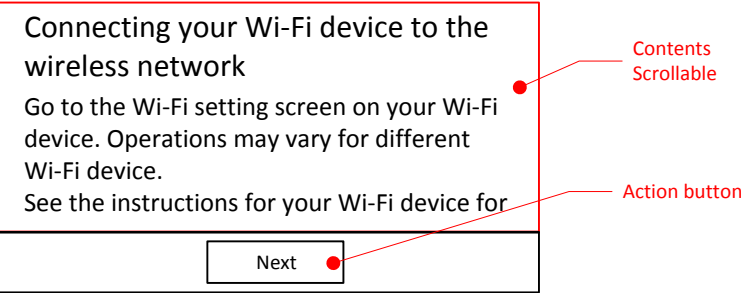
1.5 information page



- Multi-page info



- Multi-page info with 1 action button



Note:  
Display scroll bar while scrolling.  
Display effect if scroll to top or bottom.  
Action button will always show on top while scrolling

Wireframe

2.Input method

2.1. Numeric only keyboard

X

Enter password to unlock

✓

0	1	2	3	4	<div>✕</div>
5	6	7	8	9	

Hint of operation

Input display

Numeric keyboard

X

Enter WPS PIN

✓

Enter a 4 or 8-digit number

0	1	2	3	4	<div>✕</div>
5	6	7	8	9	

Numeric keyboard

2.2. Abc / 123 keyboard

X

Modify

✓

COMPAL-168

✕

A	B	C	D	E	F	<div>Scrollable Characters: A-Z</div>
123	A/a	!#\$	␣			

Scrollable  
Characters: A-Z

X

Modify

✓

COMPAL-168

✕

a	b	c	d	e	f	<div>Scrollable Characters: a-z</div>
123	a/A	!#\$	␣			

Scrollable  
Characters: a-z

X

Modify

✓

Enter SSID

0	1	2	3	4	5	<div>Highlight selected</div> <div>Scrollable Characters: 0-9</div>
123	a/A	!#\$	␣			

Note:  
The area of number / characters can be scrolled (no loop)

2.3. Symbol keyboard

X

Modify

✓

COMPAL-168

✕

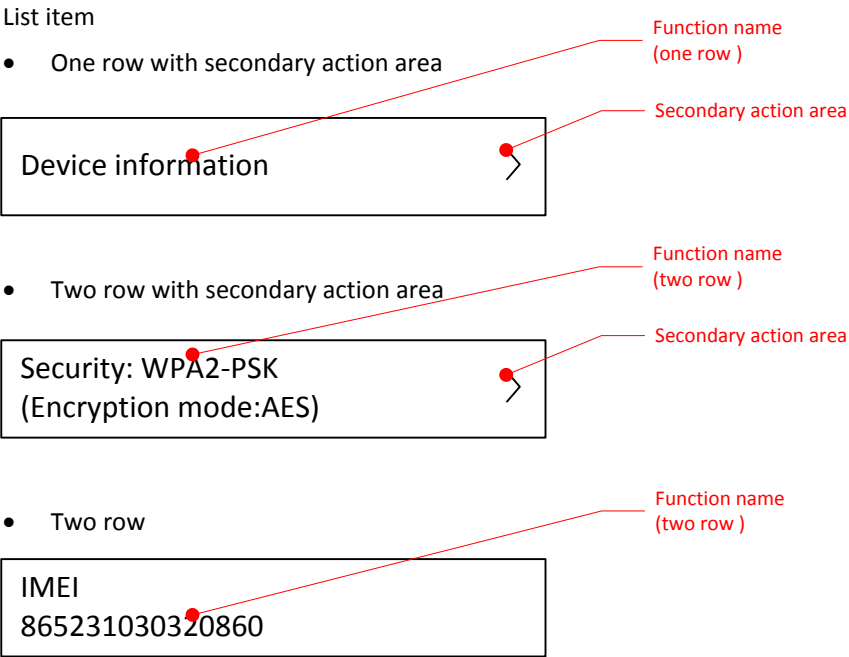
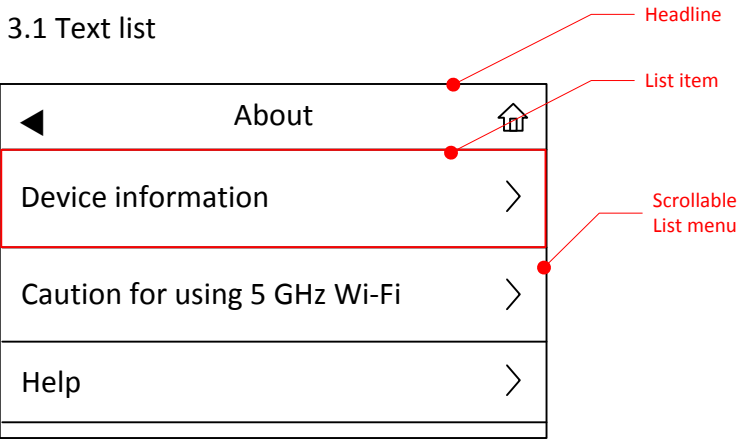
!	#	\$	(	)	*	<div>Scrollable Characters: ! # \$ ( ) * - . / = @ [ ] ^ _ ' {   } ~ % &amp; + \ : ; " &lt; &gt; , ?</div>
123	a/A	!#\$	␣			

Note:  
The area of symbol can be scrolled (no loop)

Wireframe

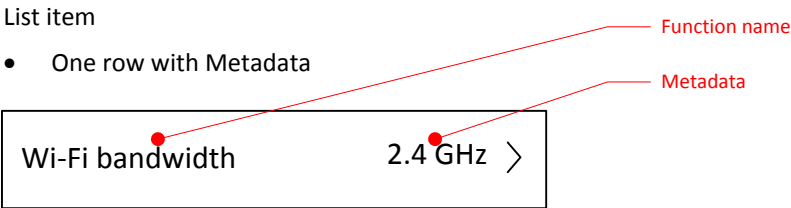
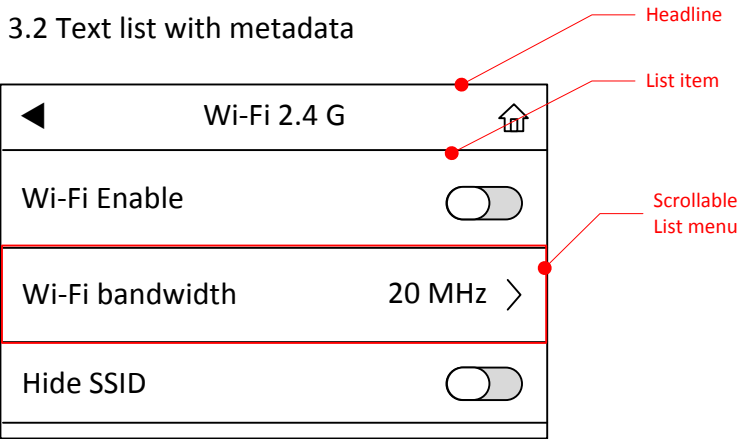
3.List menu

3.1 Text list

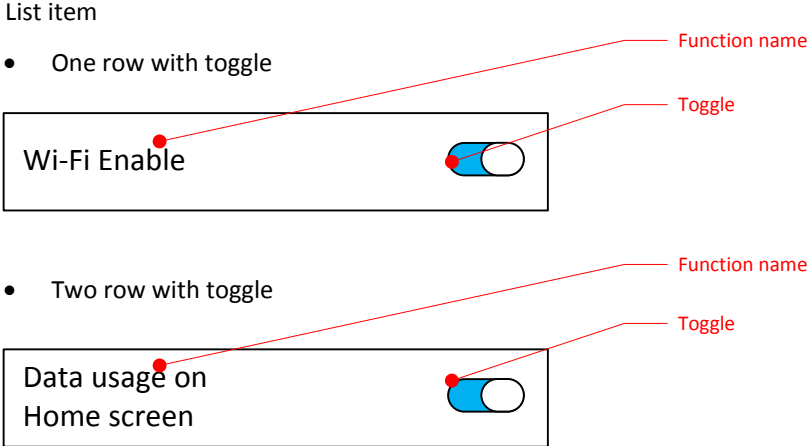
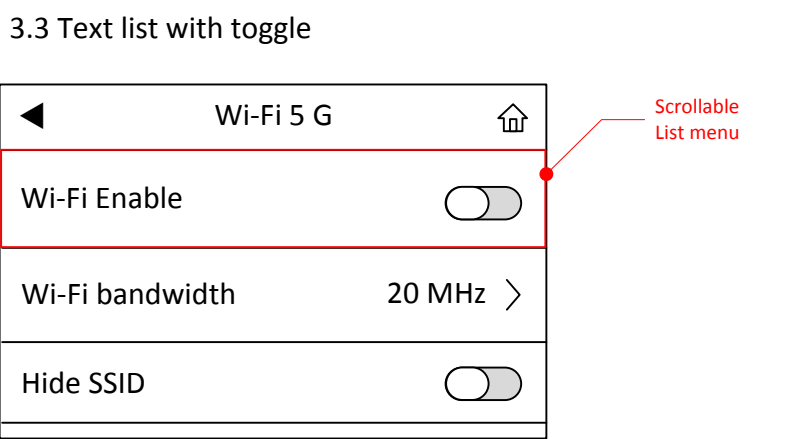


Note:  
The page of list items can be scrolling (no loop)  
Display scroll bar while scrolling.  
Display effect if scroll to top or bottom.  
Press list item to access secondary level.

3.2 Text list with metadata



3.3 Text list with toggle

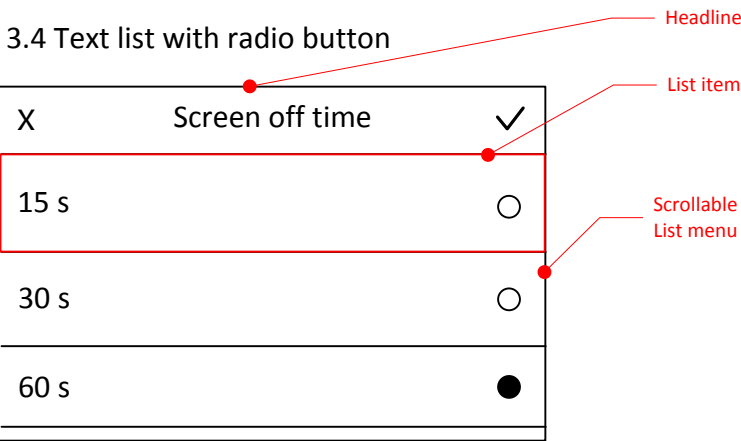




Wireframe

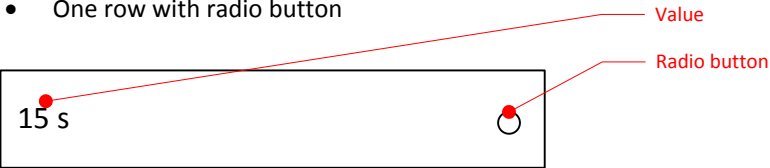
3.List menu

3.4 Text list with radio button

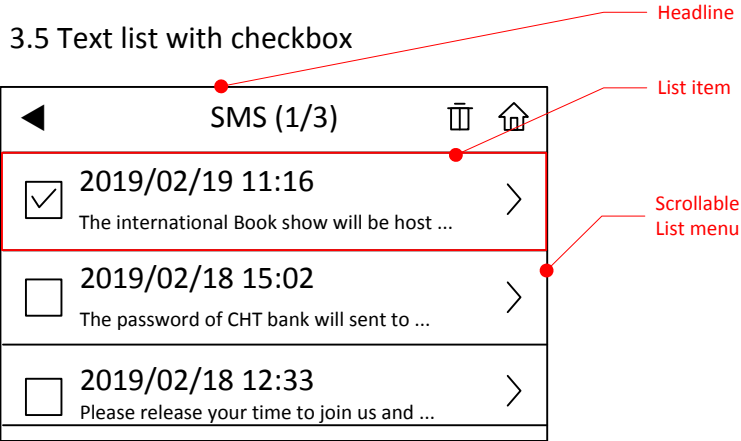


List item

- One row with radio button

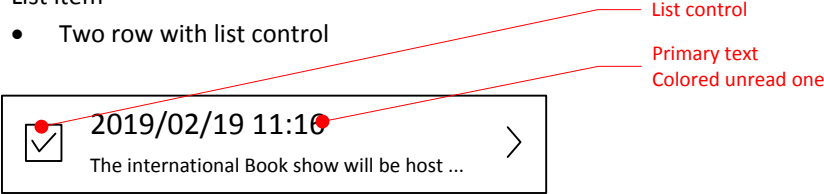


3.5 Text list with checkbox

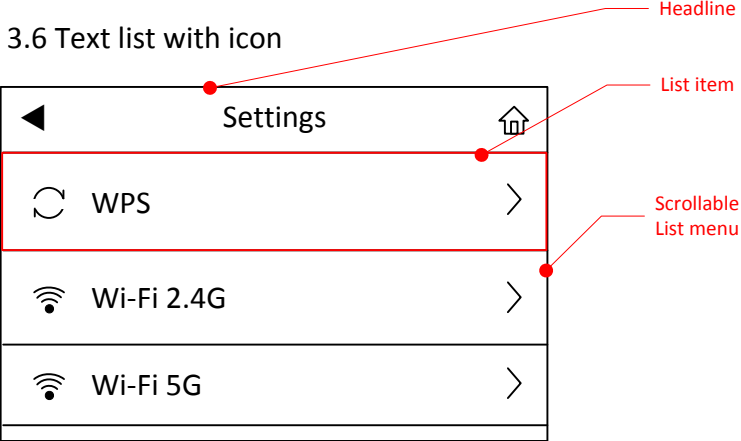


List item

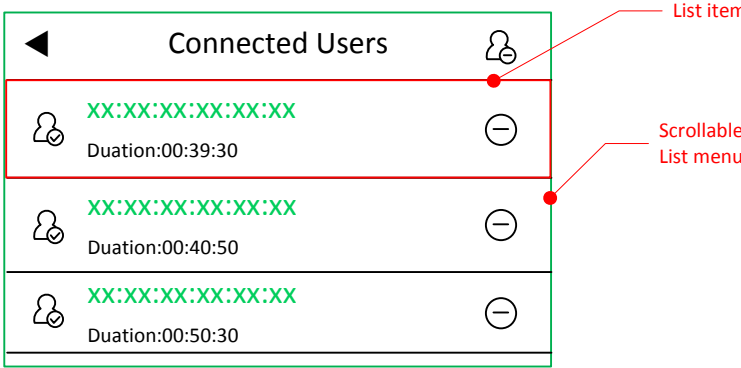
- Two row with list control



3.6 Text list with icon

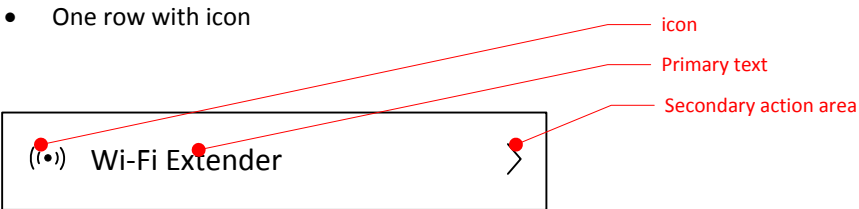


Connected Users

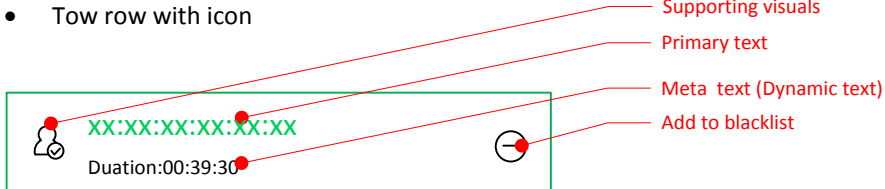


List item

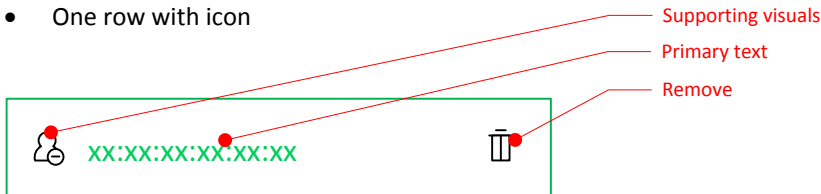
- One row with icon



- Tow row with icon



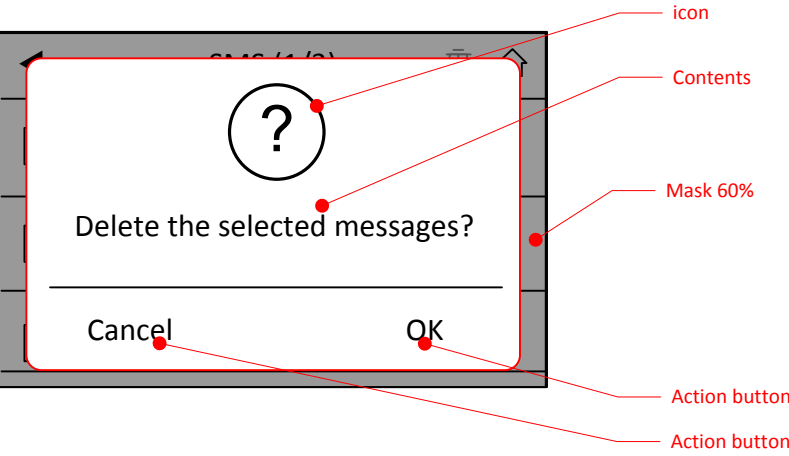
- One row with icon



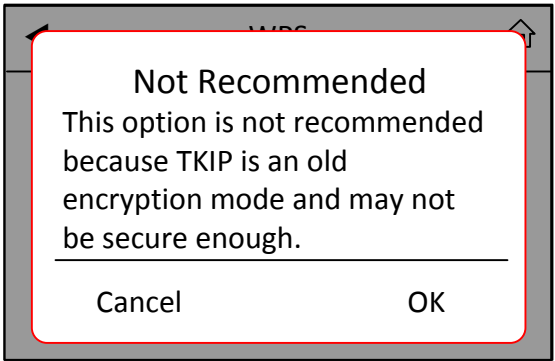
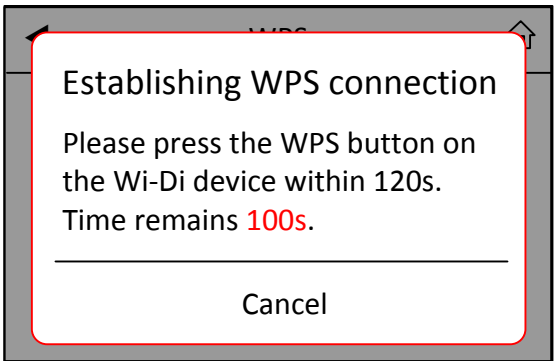
Wireframe

4.Popup

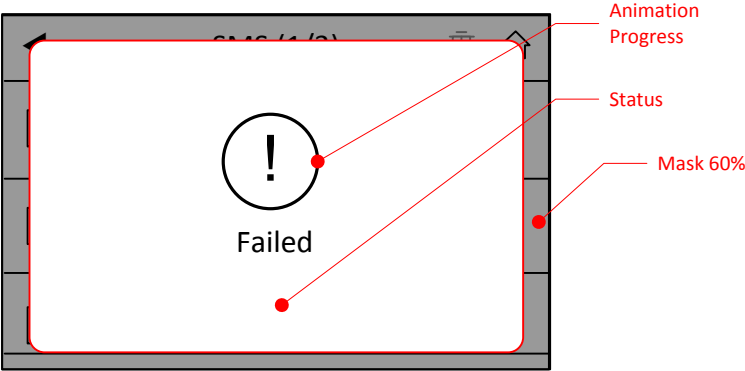
4.1. Confirm



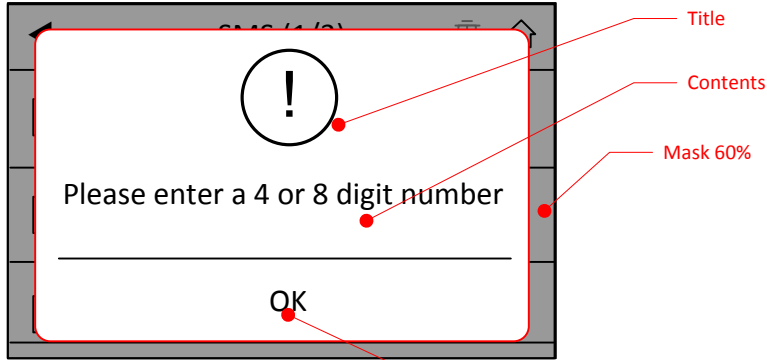
4.2. Information



4.3. Warning



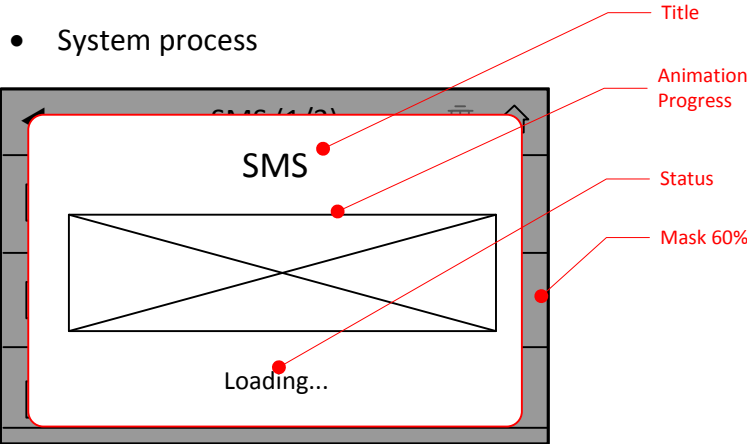
Note:  
This will auto time out after 1.5 sec



Note:  
Press to back to the previous page

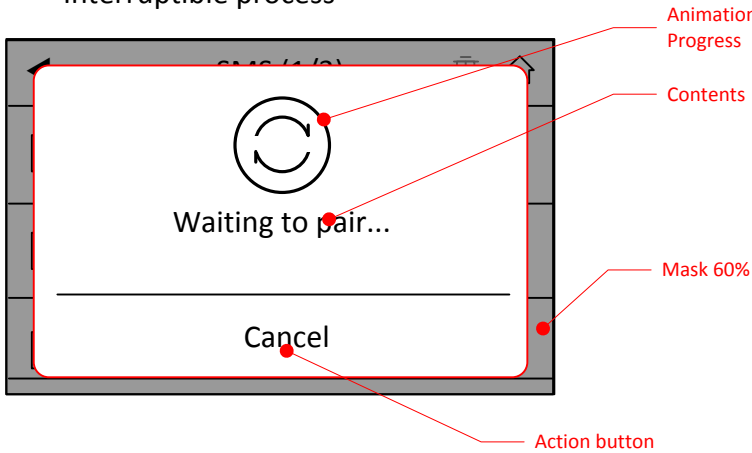
4.4. Processing

- System process

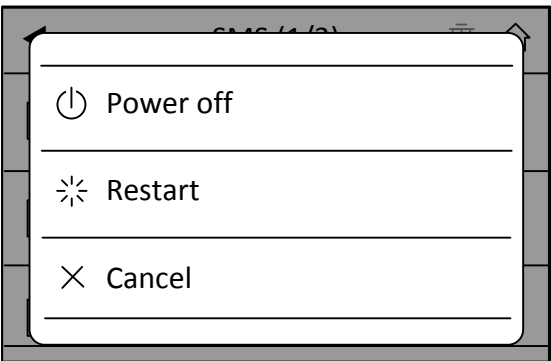


Note:  
Finish after system process completed

- Interruptible process



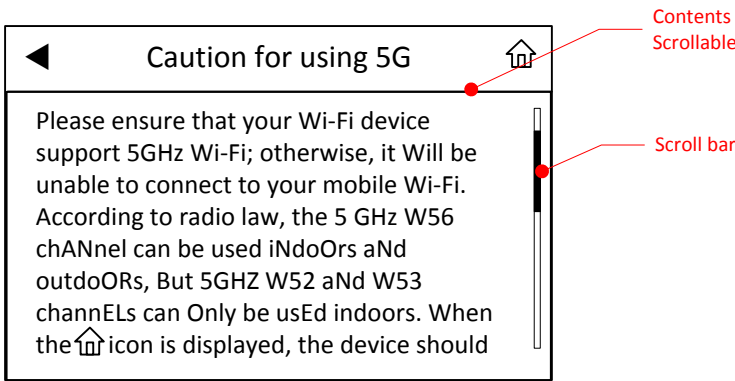
4.5. Power manager



Wireframe

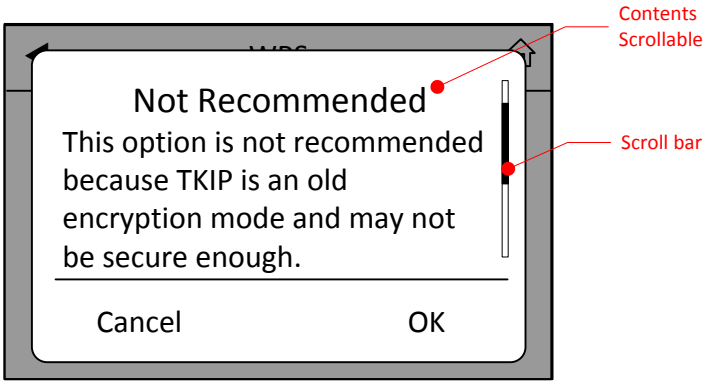
5. Scroll bar

5.1 Information page



Note:  
The scroll bar is ALWAYS show on the screen.

5.2 Pop-up



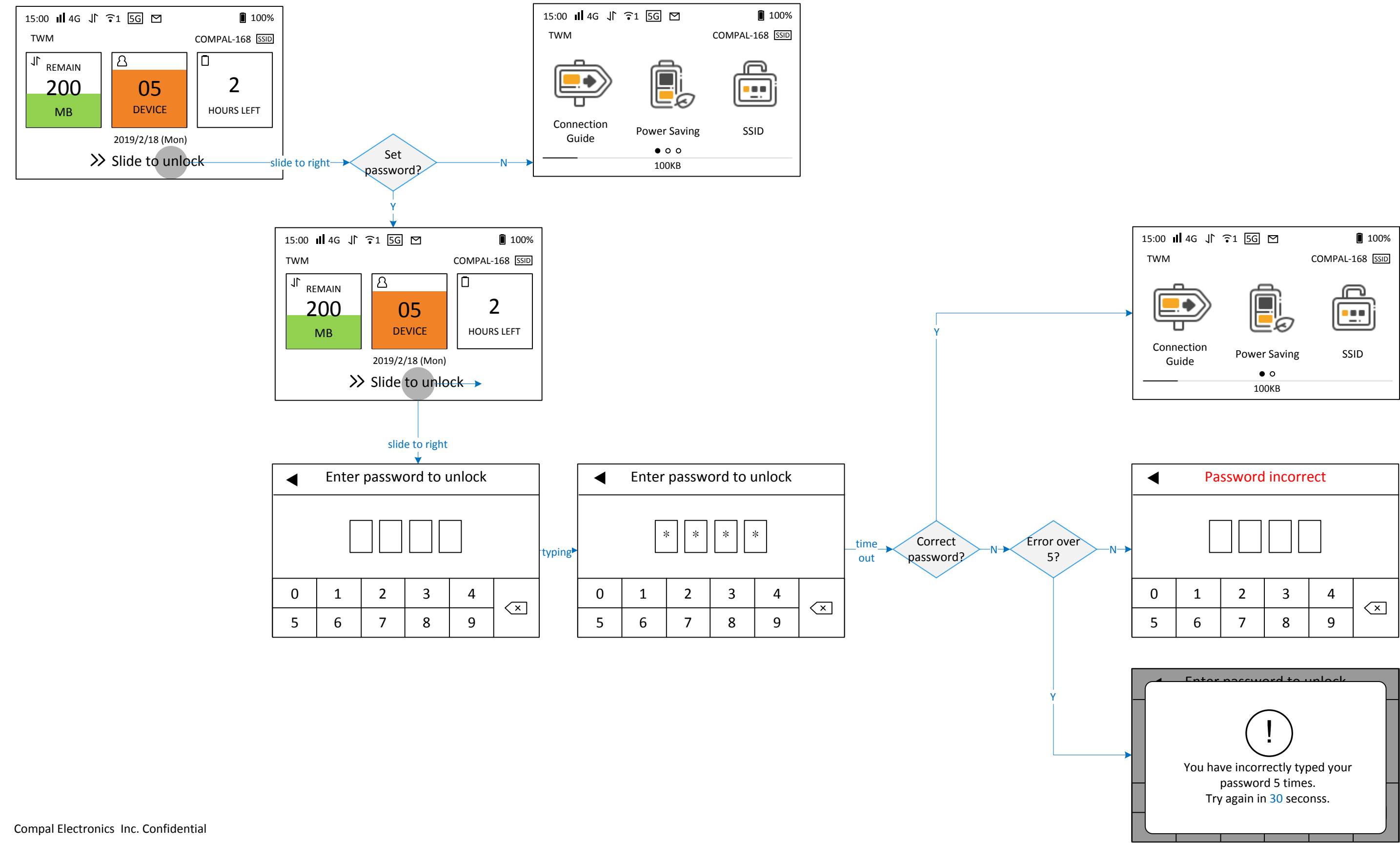
Note:  
The scroll bar is ALWAYS show on the screen.

# Use case

1. Unlock screen
2. Connection Guide
3. Power Saving settings
4. SSID & Password
5. SMS
6. Settings
7. About

Use case

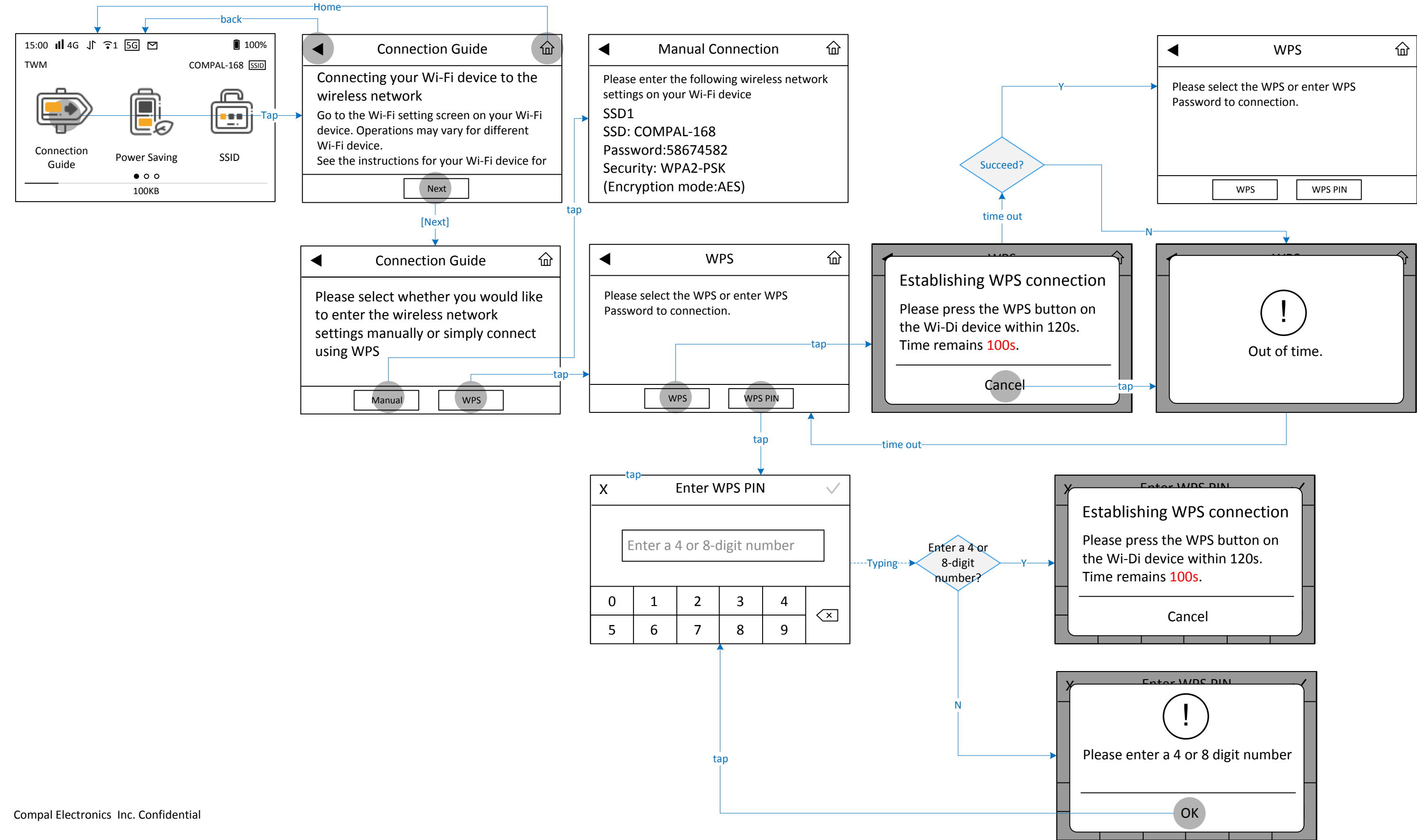
1.Unlock screen



Use case

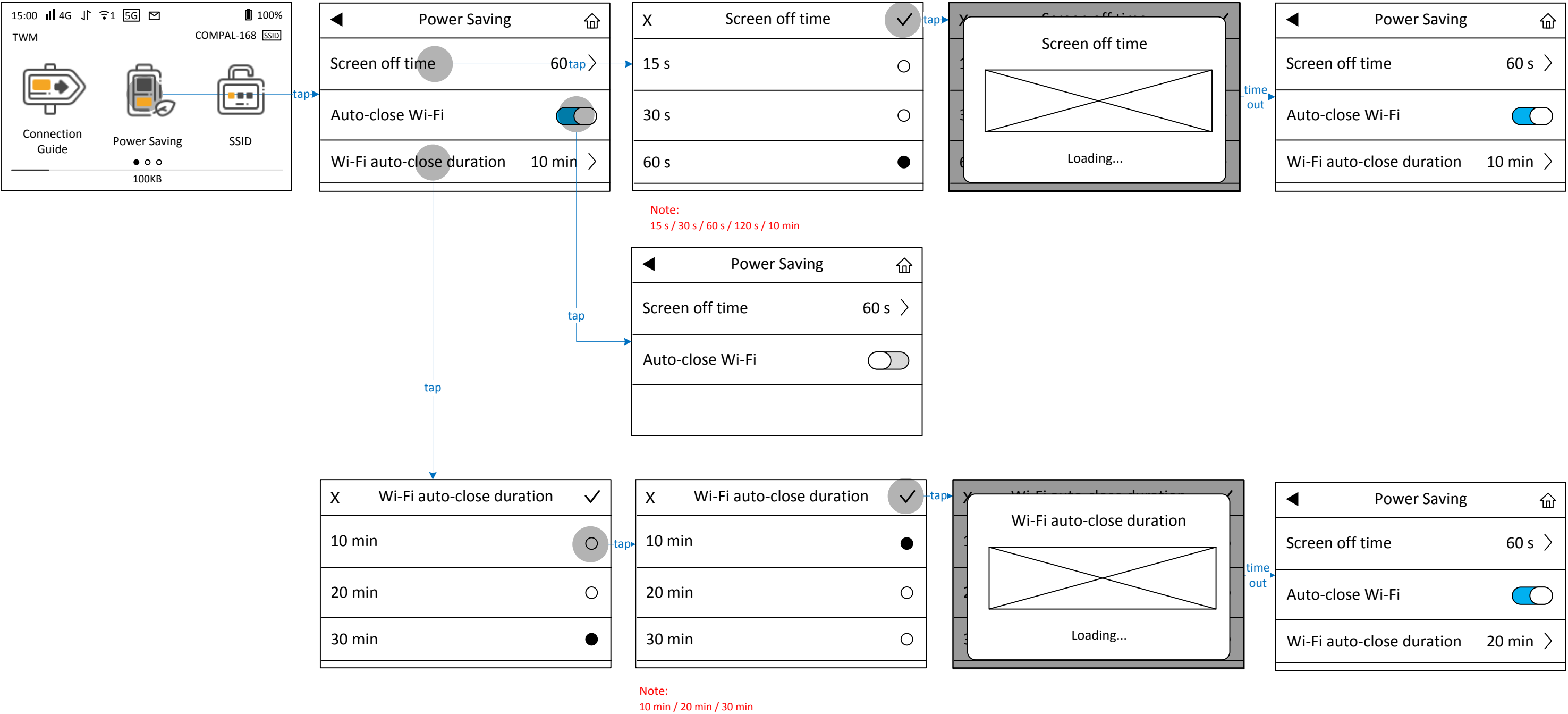
2.Connection Guide

2.1. Connect via different method



Use case

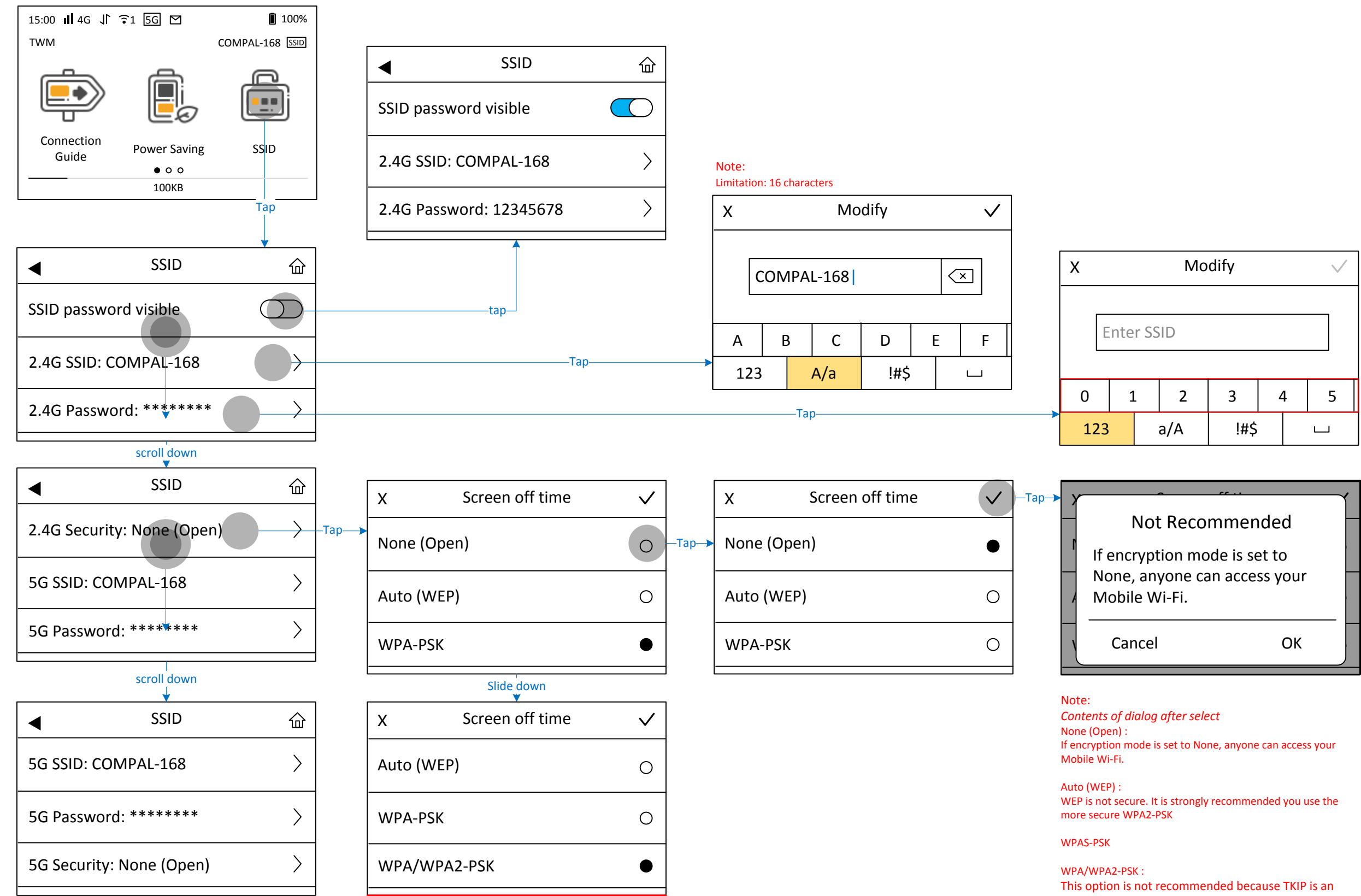
3.Power saving settings



Use case

4.Connection Guide

4.1. Connect via different method



Note:  
Contents of dialog after select  
None (Open) :  
If encryption mode is set to None, anyone can access your Mobile Wi-Fi.

Auto (WEP) :  
WEP is not secure. It is strongly recommended you use the more secure WPA2-PSK

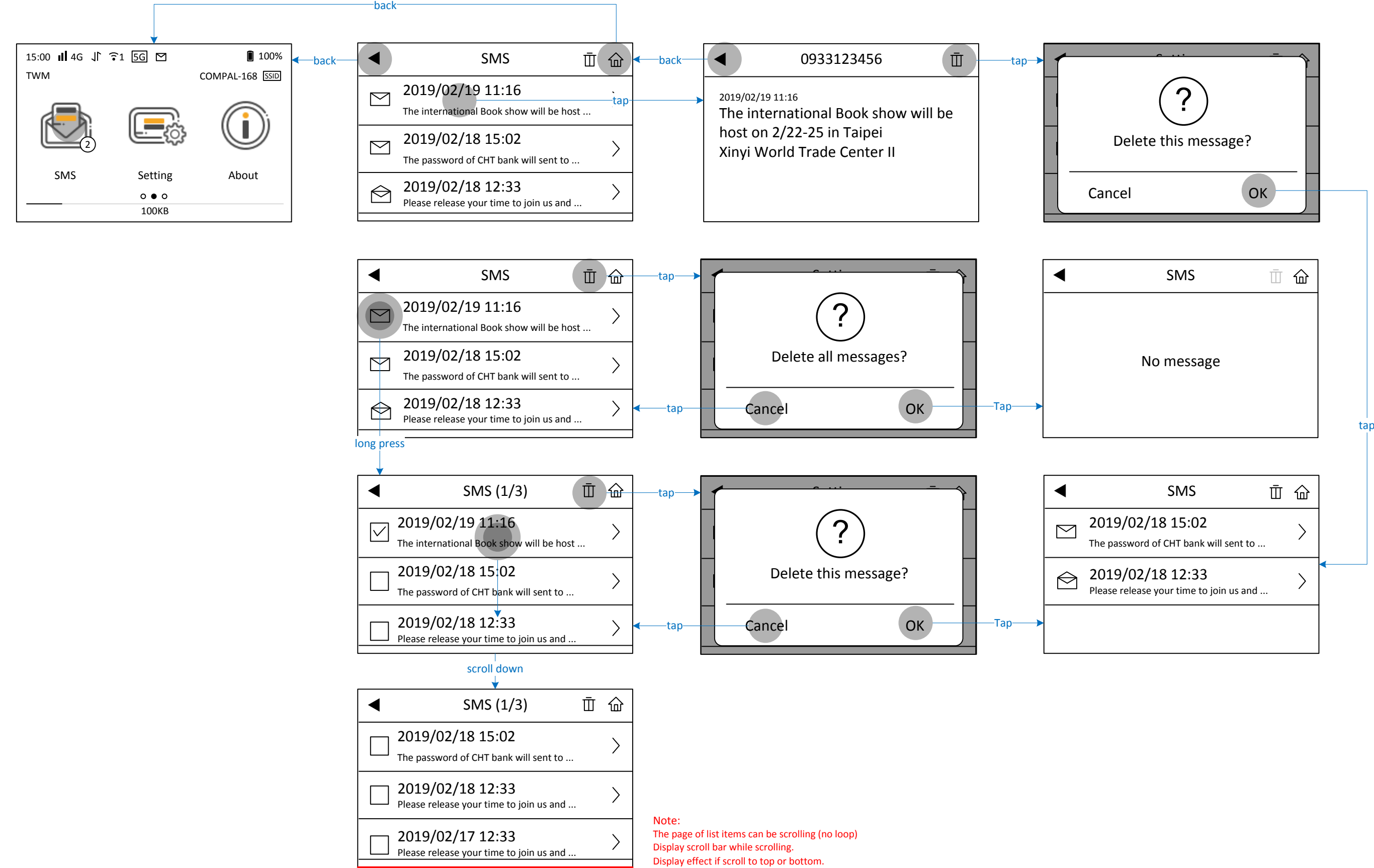
WPAS-PSK

WPA/WPA2-PSK :  
This option is not recommended because TKIP is an old encryption mode and may not be secure enough.



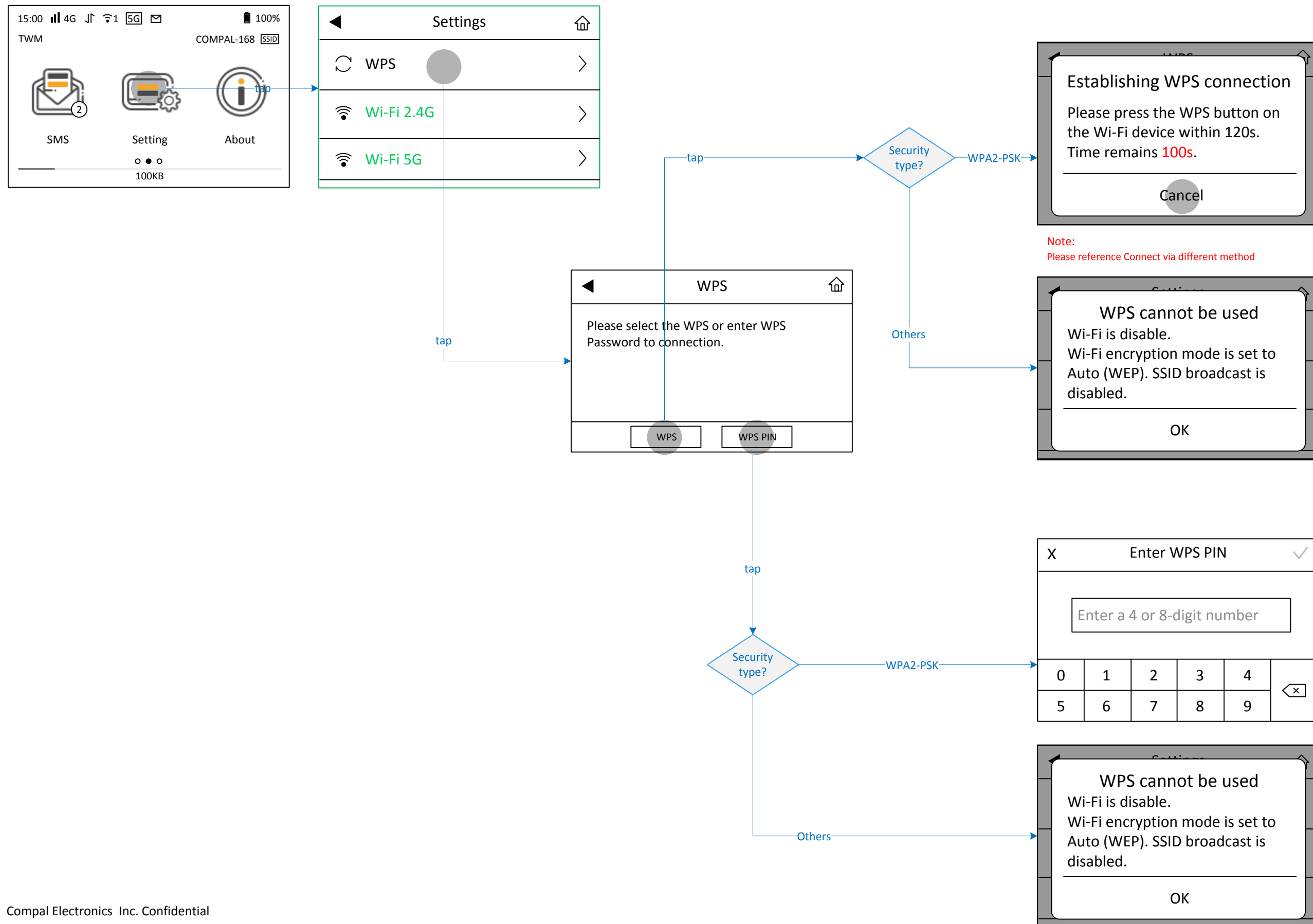
Use case

5.SMS



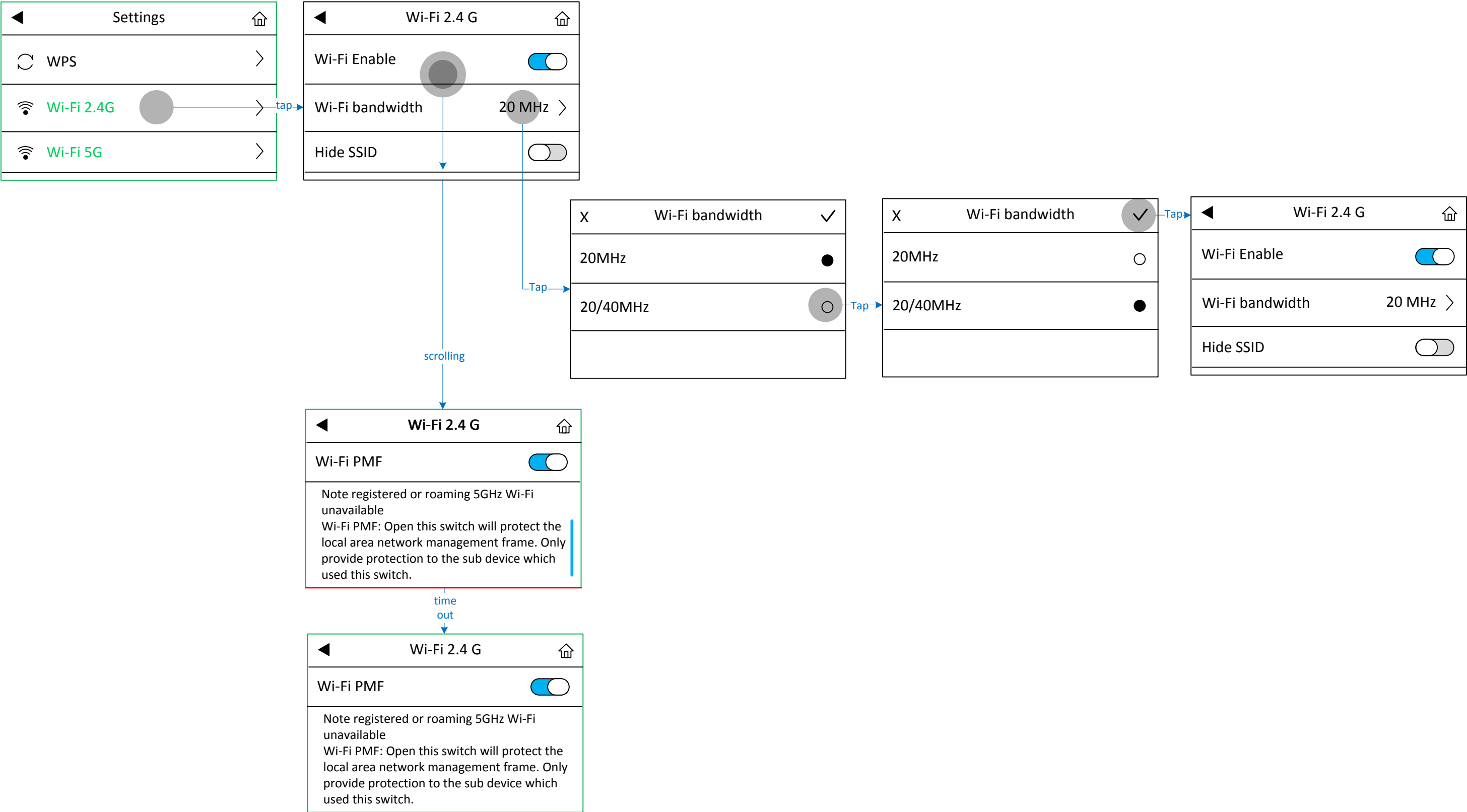
## Use case

## 6.Settings: WPS



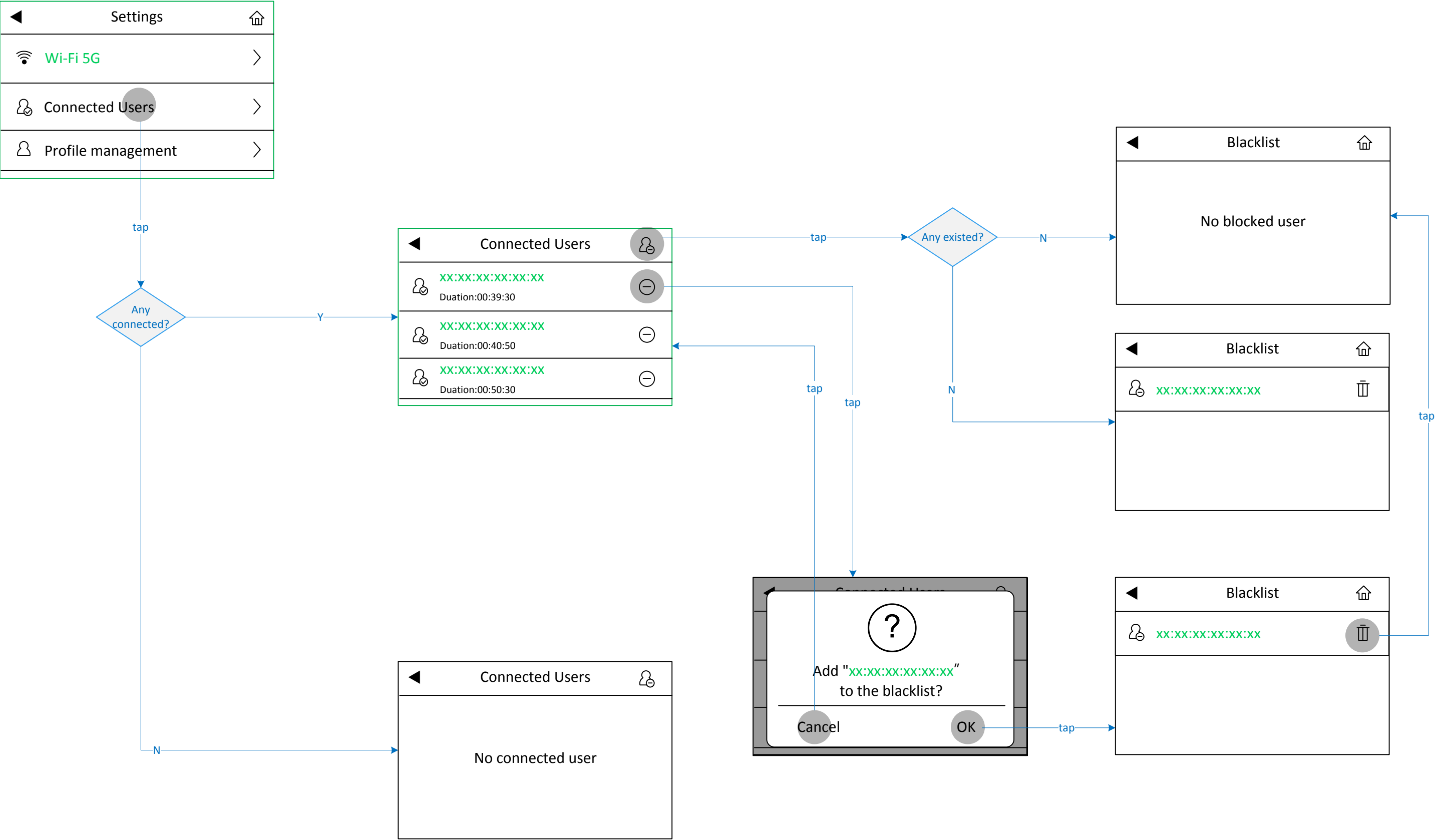
Use case

6.Settings: WiFi



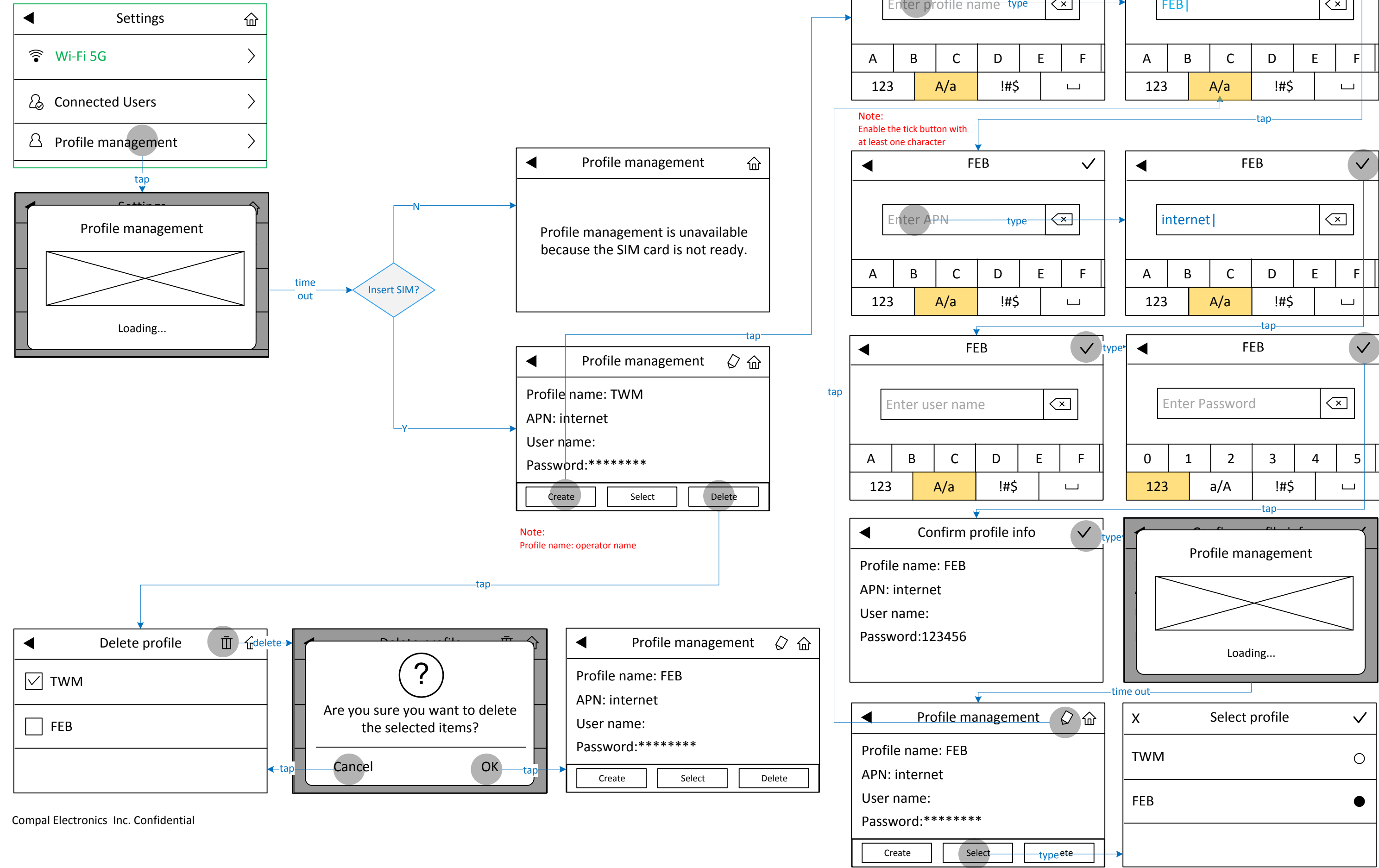
Use case

6.Settings: Connection



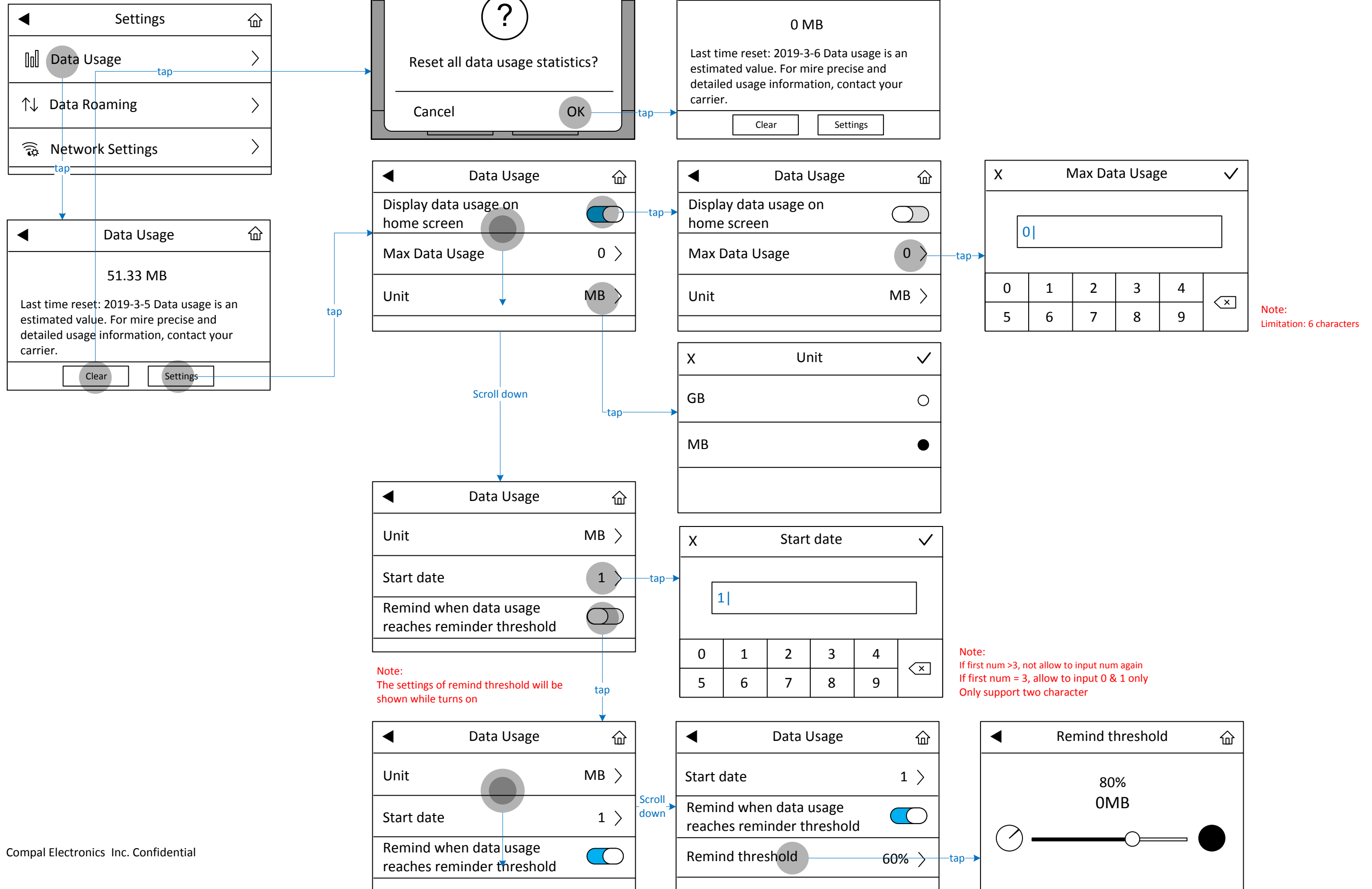
Use case

6.Settings: Profile management



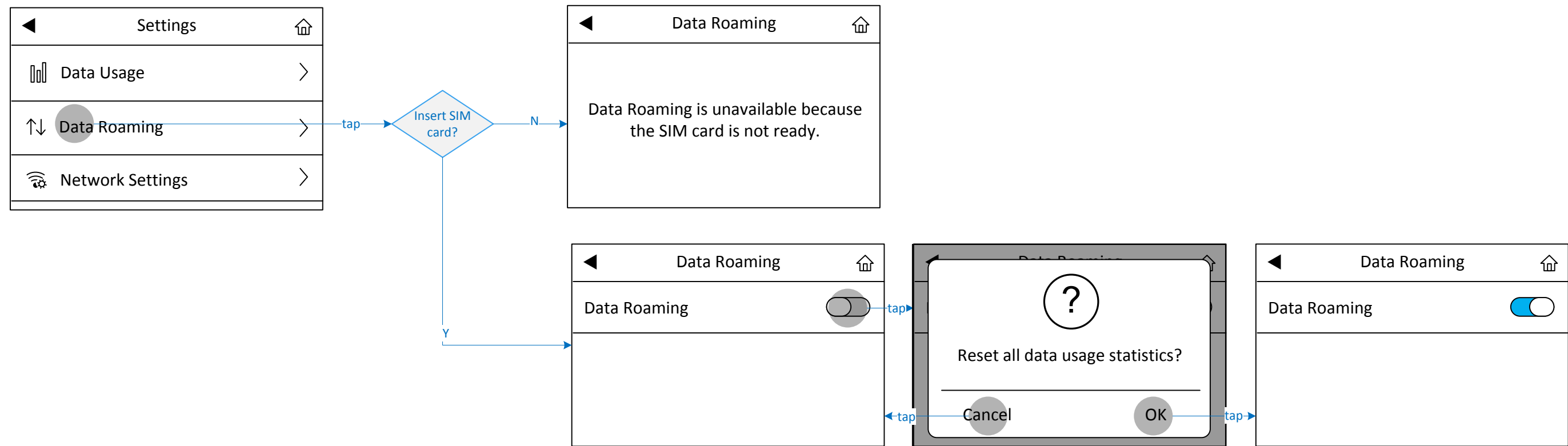
## Use case

## 6.Settings: Data usage



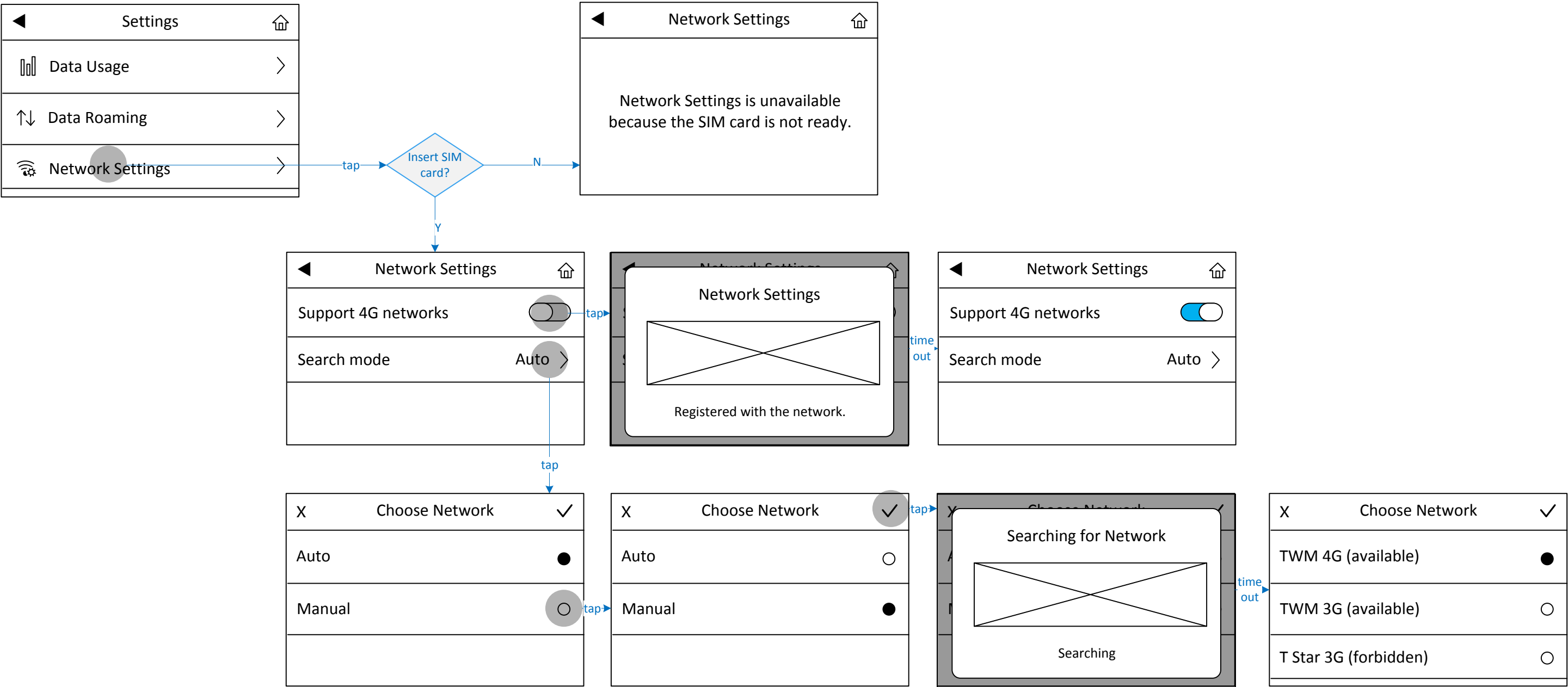
Use case

6.Settings: Data Roaming



Use case

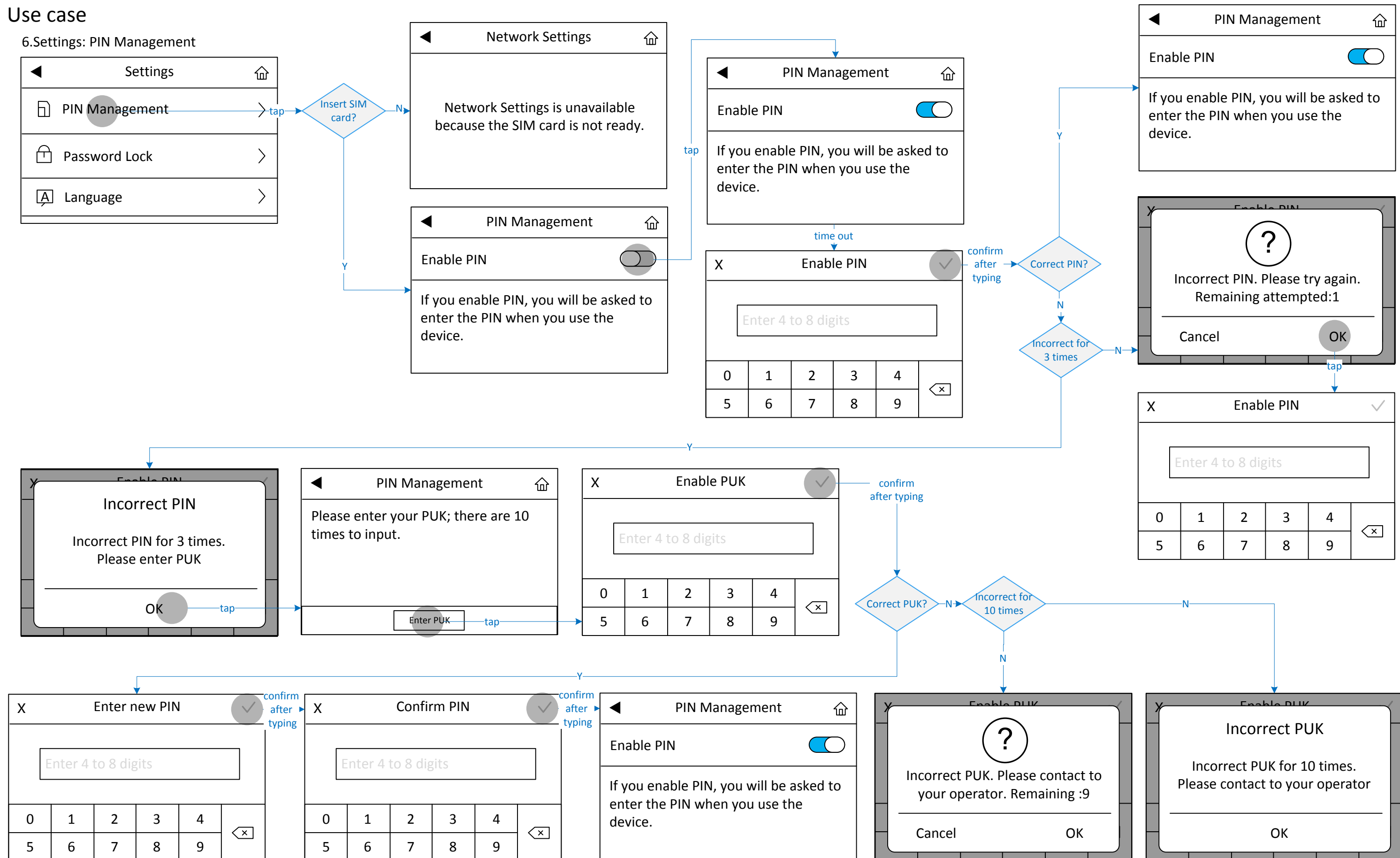
6.Settings: Network Settings





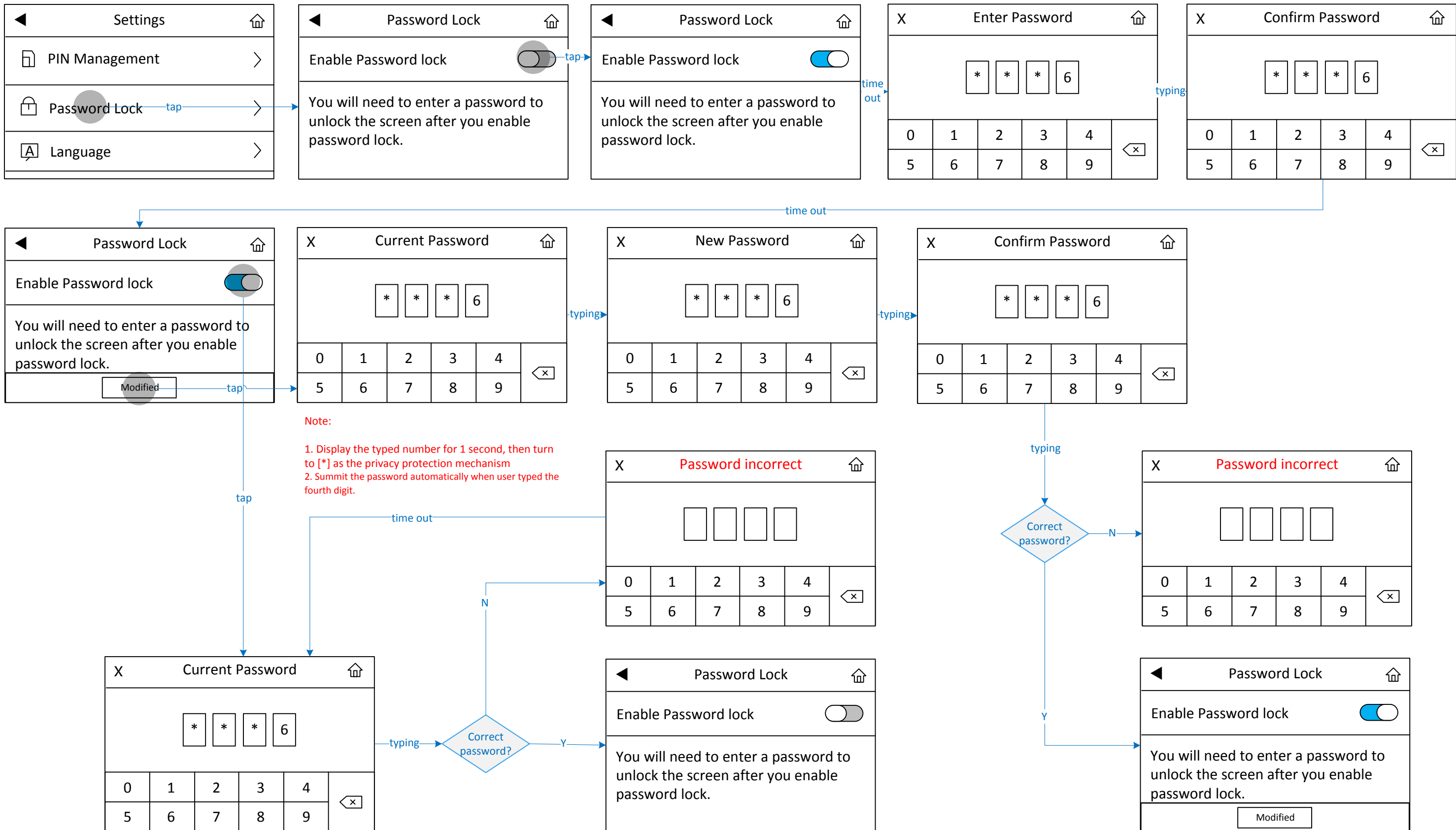
## Use case

## 6.Settings: PIN Management



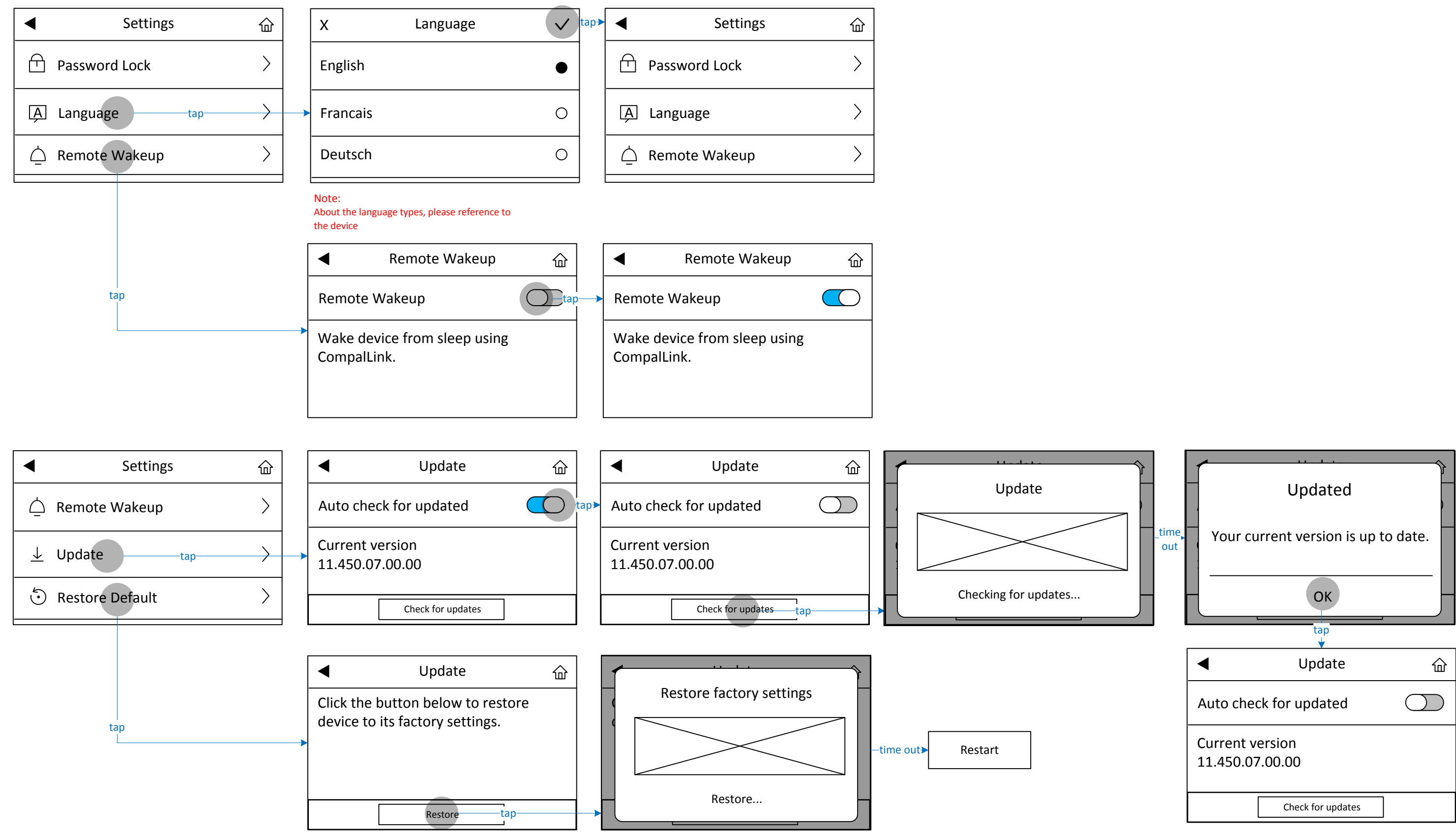
## Use case

## 6.Settings: Password Lock



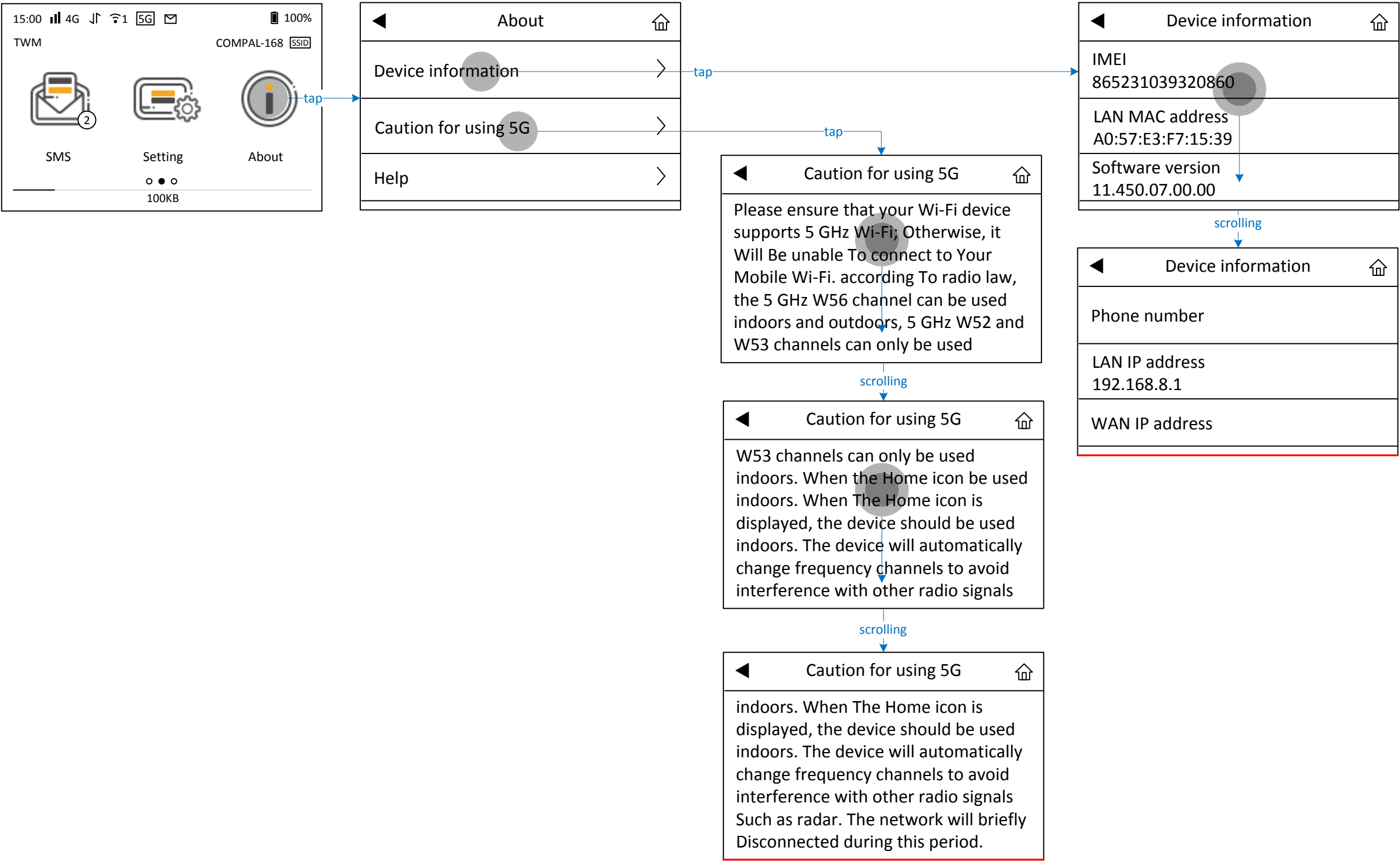
Use case

6.Settings: Others



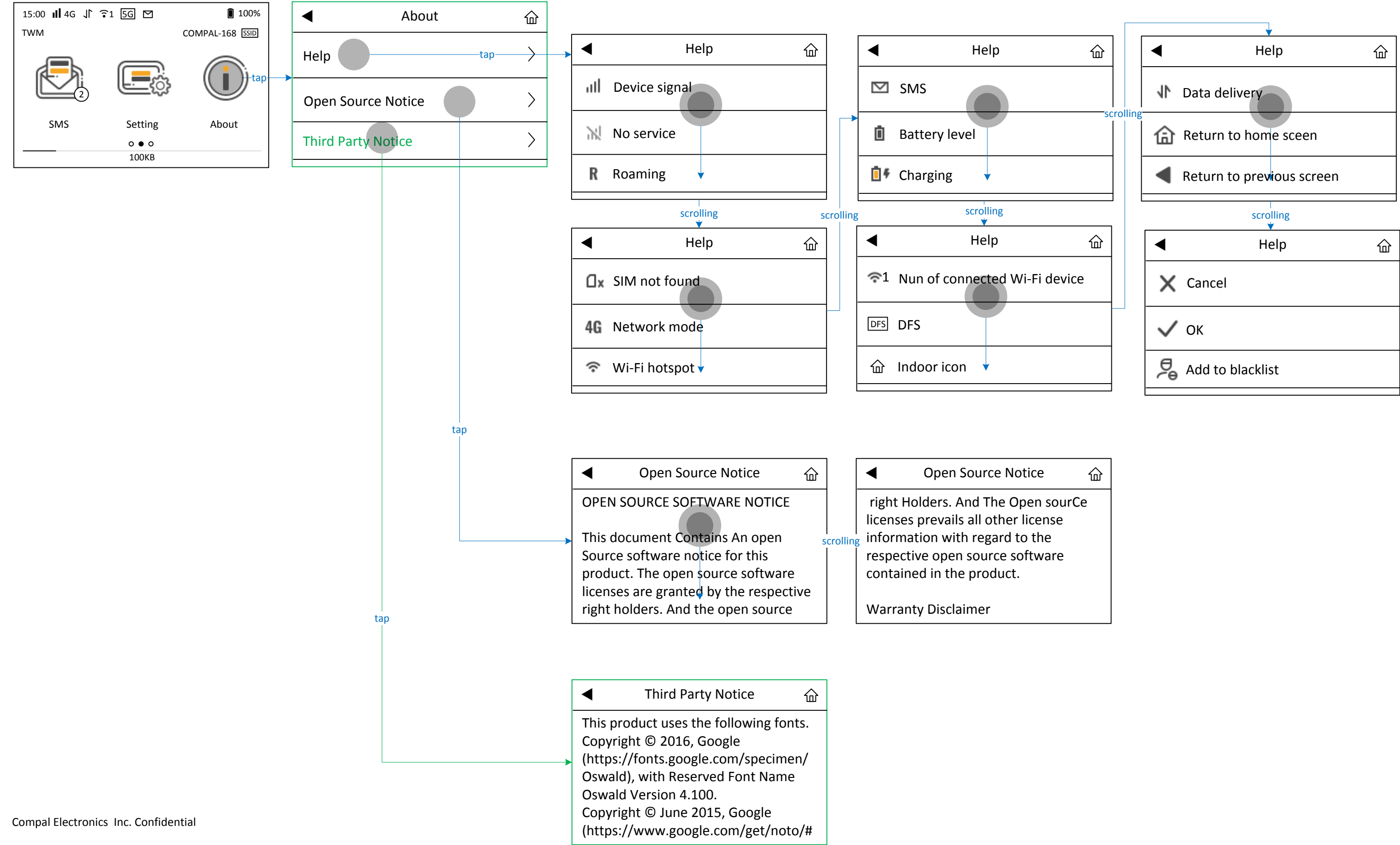
Use case

7.About



Use case

7.About



Use case

8.Speedtest

