

5G pocket router

UX Framework

Version 1.2

December 11, 2019

EID / AR / UI

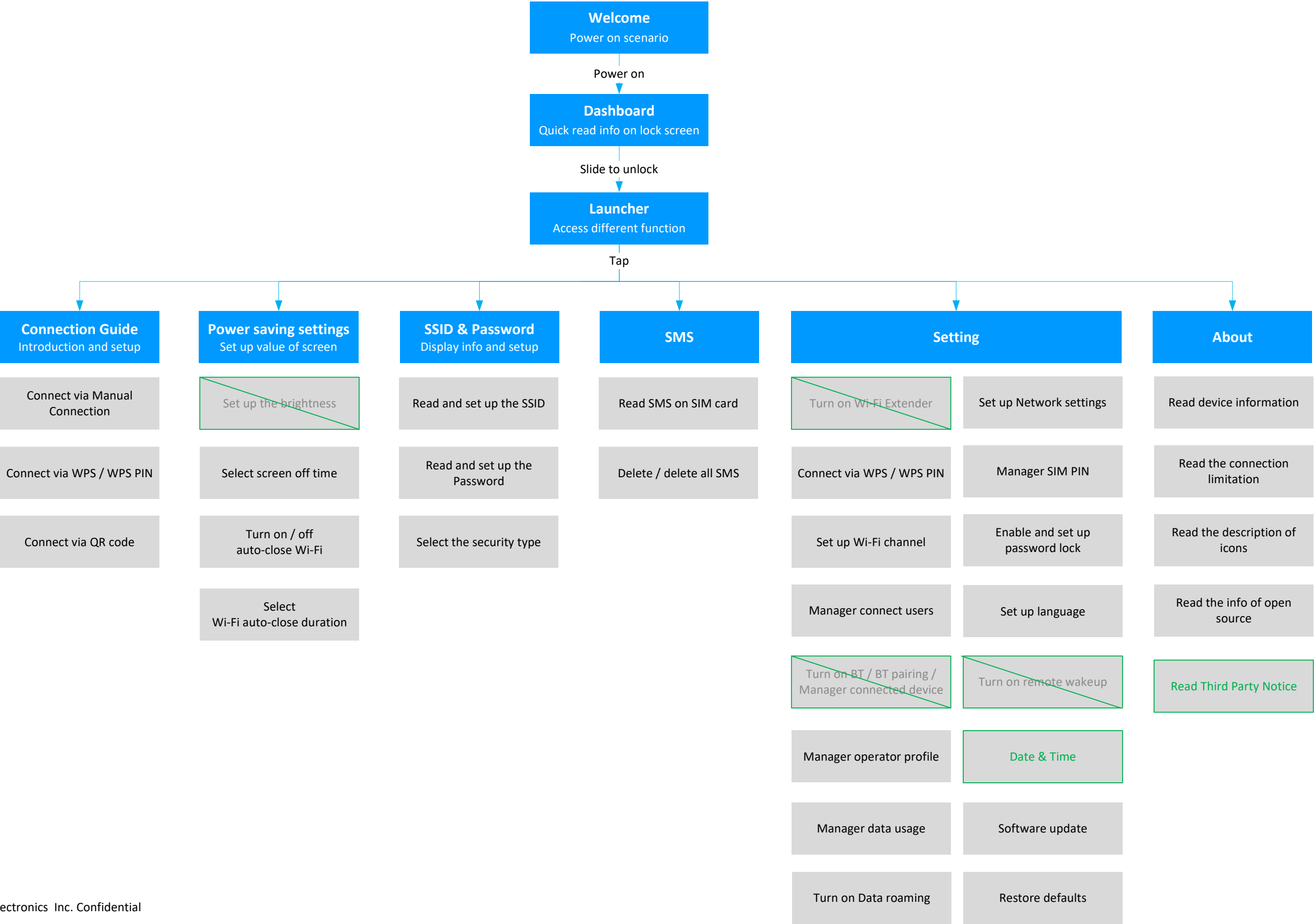
Compal Electronics, Inc

Revision history

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

Rev.	Date	Description	Author
V 1.1	2019/12/11	<ul style="list-style-type: none"> Remove symbol ‘. --P7 Remove List menu scroll bar. --P11, 17 Revise wording Wi-Fi 2.4G, Wi-Fi 5G. --P18, 19, 20, 21 Revise the user name as Mac address. --p9, 20 Add Third party notice. --P3, 29 	Winnie Chan
V 1.2	2020/01/02	<ul style="list-style-type: none"> Add Date & Time in settings. –P3, 27, 28 Revise the behavior of change PIN. –P25 	Winnie Chan

Function Structure



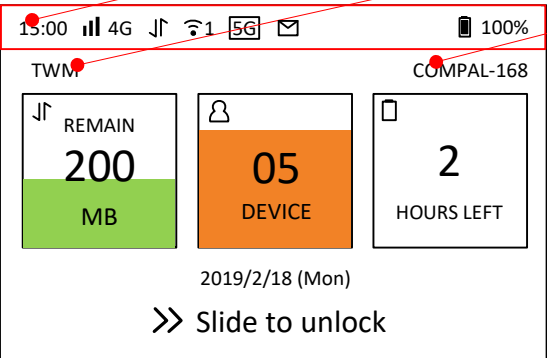
Wireframe

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

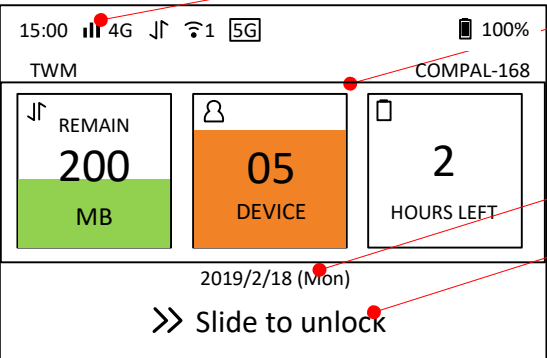
Others

- DFS
- Indoor

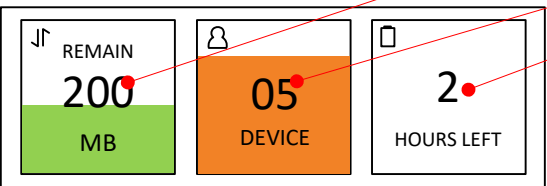
Battery level

- Battery level
- Charging

1.2.Dashboard

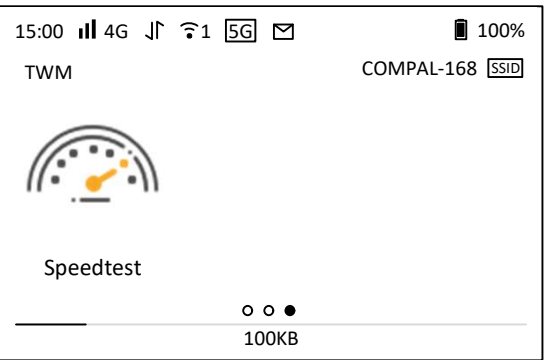
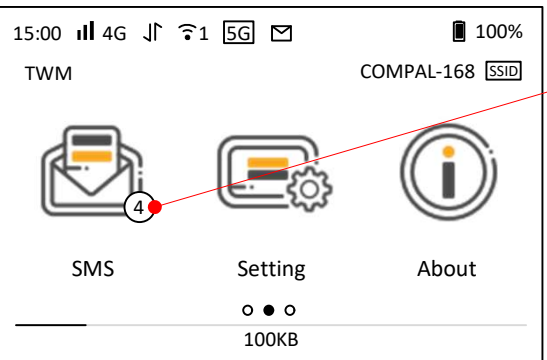
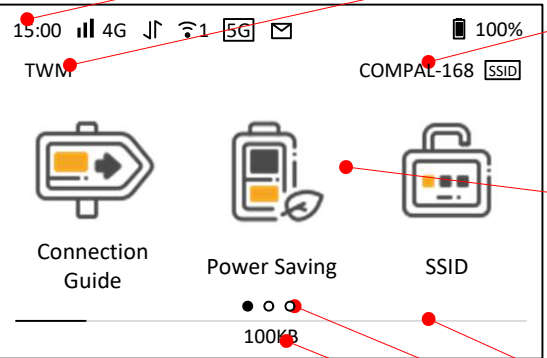


- Dashboard item



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

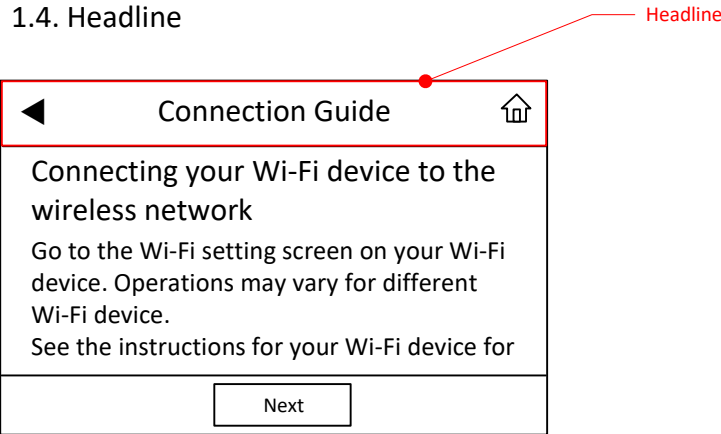


Note:
Slide to switch full page
Display an indicator icon with number on SMS

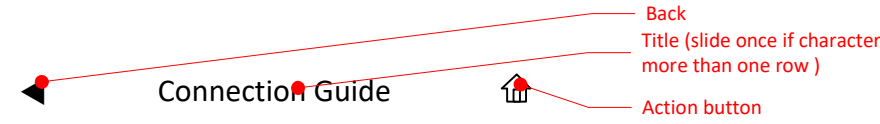
Wireframe

1.General

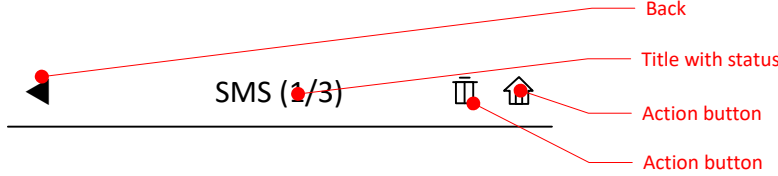
1.4. Headline



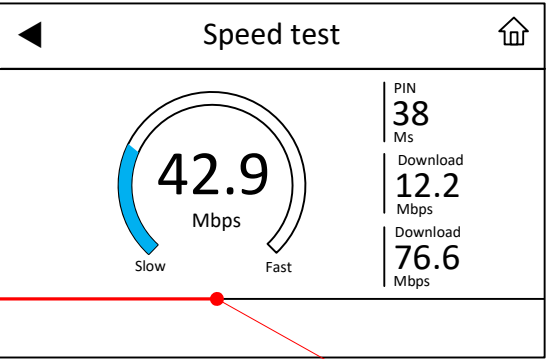
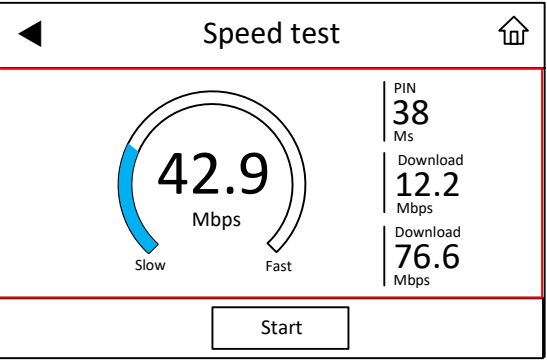
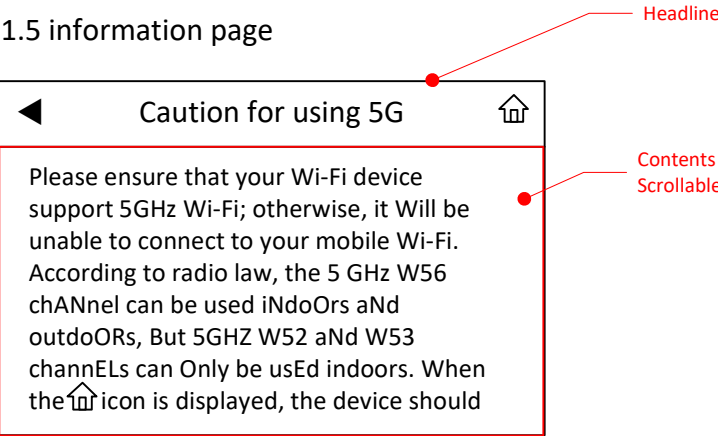
- Title with 2 icons



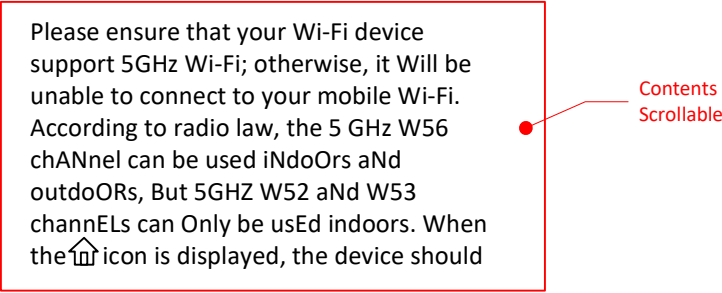
- Dynamic title with 3 icons



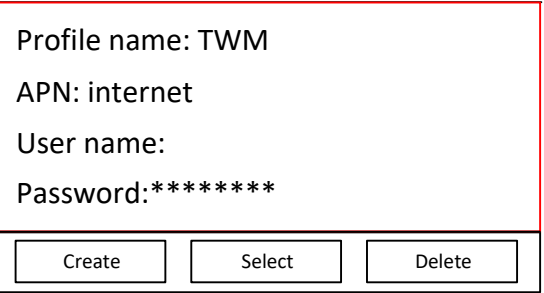
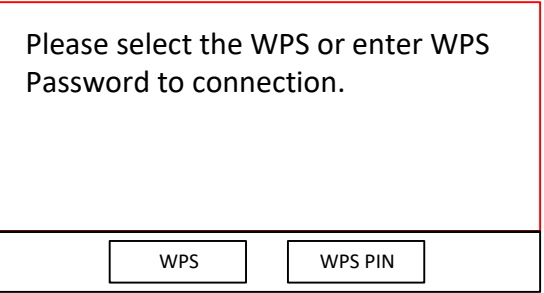
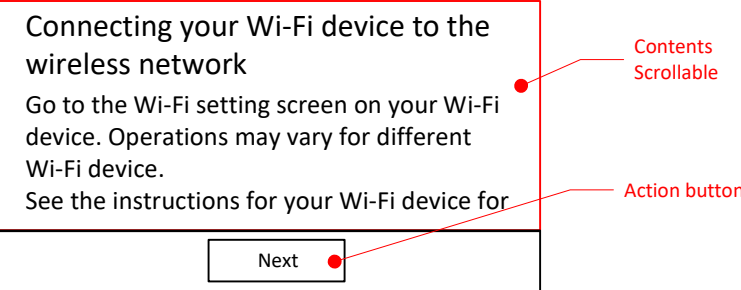
1.5 information page



- 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>⌵</div>
123	A/a	!#\$				

Scrollable
Characters: A-Z

X

Modify

✓

COMPAL-168

✕

a	b	c	d	e	f	<div>⌵</div>
123	a/A	!#\$				

Scrollable
Characters: a-z

X

Modify

✓

Enter SSID

0	1	2	3	4	5	<div>⌵</div>
123	a/A	!#\$				

Highlight
selected

Scrollable
Characters: 0-9

2.3. Symbol keyboard

X

Modify

✓

COMPAL-168

✕

!	#	\$	()	*	<div>⌵</div>
123	a/A	!#\$				

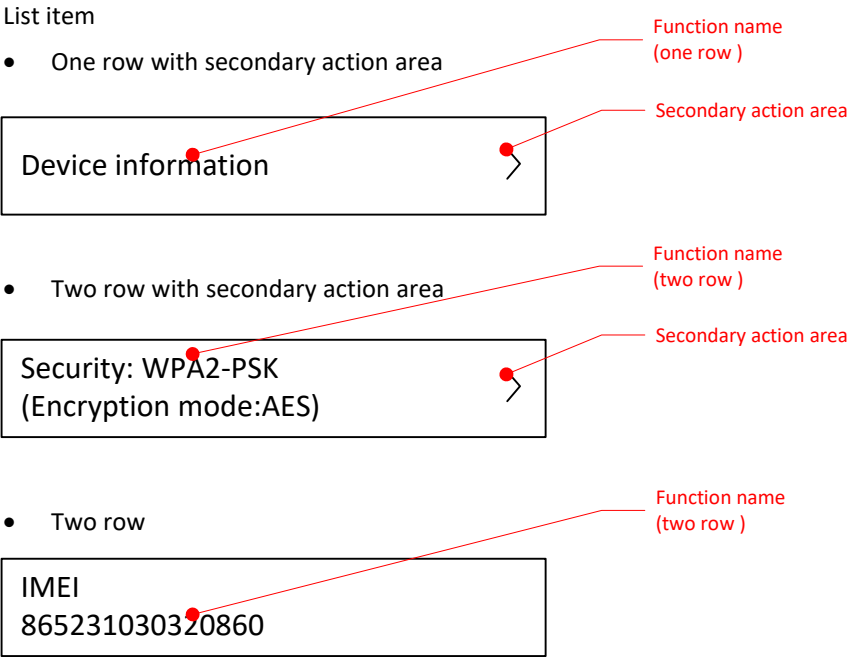
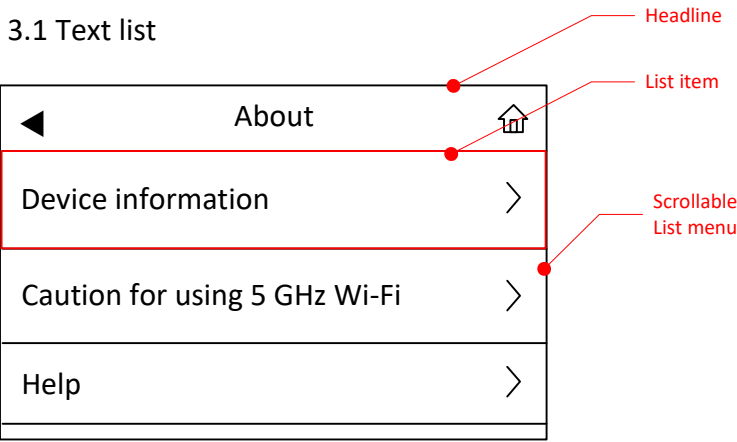
Scrollable
Characters:
! # \$ () * - . / = @ []
^ _ ' { | } ~ % & +
\ : ; " < > , ?

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

Wireframe

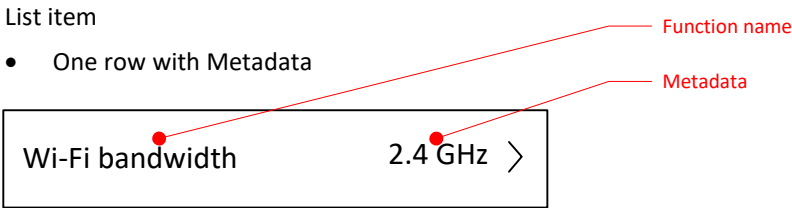
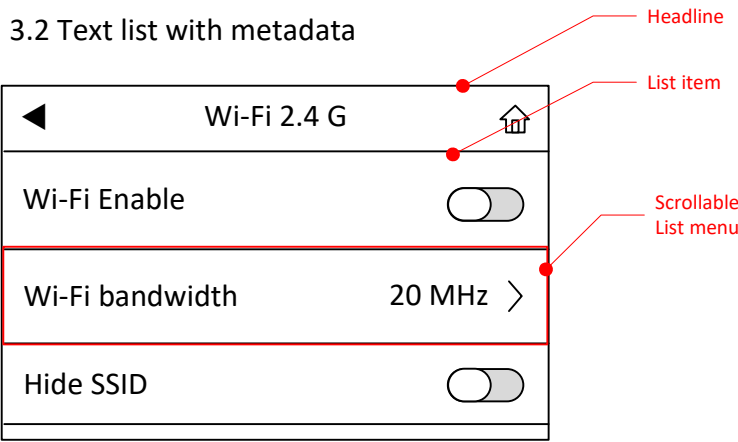
3.List menu

3.1 Text list

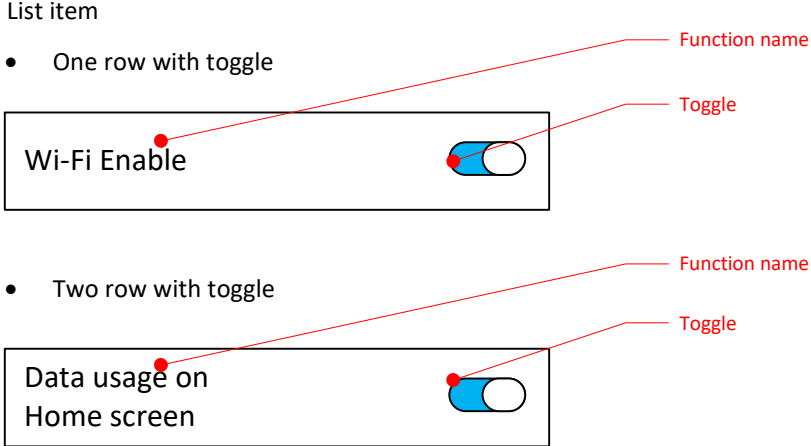
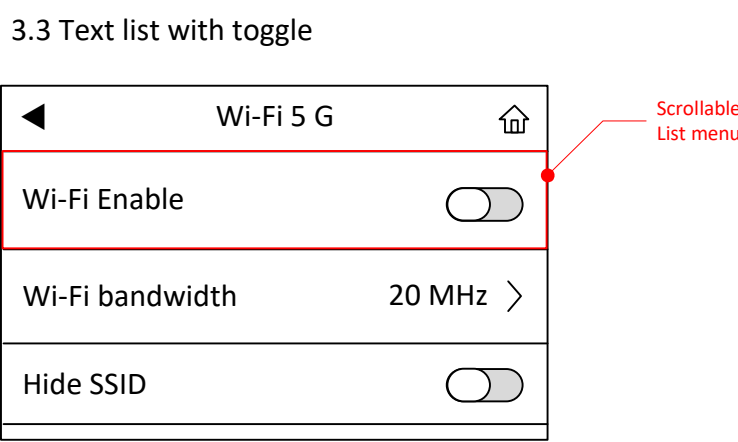


Note:
The page of list items can be scrolling (no loop)
Display scroll bar while scrolling.
Display effect if scroll to top or bottom.
Press list item to access secondary level.

3.2 Text list with metadata



3.3 Text list with toggle



Wireframe

3.List menu

3.4 Text list with radio button

Headline

List item

Scrollable List menu

X	Screen off time	✓
15 s		<input type="radio"/>
30 s		<input type="radio"/>
60 s		<input checked="" type="radio"/>

- List item
- One row with radio button

Value

Radio button

15 s	<input type="radio"/>
------	-----------------------

3.5 Text list with checkbox

Headline

List item

Scrollable List menu

	SMS (1/3)	🗑️	🏠
<input checked="" type="checkbox"/>	2019/02/19 11:16 The international Book show will be host ...	>	
<input type="checkbox"/>	2019/02/18 15:02 The password of CHT bank will sent to ...	>	
<input type="checkbox"/>	2019/02/18 12:33 Please release your time to join us and ...	>	

- List item
- Two row with list control
- List control
- Primary text
- Colored unread one

<input checked="" type="checkbox"/>	2019/02/19 11:16 The international Book show will be host ...	>
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3.6 Text list with icon

Headline

List item

Scrollable List menu

	Settings	🏠
🔄	WPS	>
📶	Wi-Fi 2.4G	>
📶	Wi-Fi 5G	>

List item

Scrollable List menu

	Connected Users	👤
👤	XX:XX:XX:XX:XX:XX Duration:00:39:30	⊖
👤	XX:XX:XX:XX:XX:XX Duration:00:40:50	⊖
👤	XX:XX:XX:XX:XX:XX Duration:00:50:30	⊖

List item

- One row with icon

icon

Primary text

Secondary action area

(••)	Wi-Fi Extender	>
------	----------------	---

- Tow row with icon

Supporting visuals

Primary text

Meta text (Dynamic text)

Add to blacklist

👤	XX:XX:XX:XX:XX:XX Duration:00:39:30	⊖
---	--	---

- One row with icon

Supporting visuals

Primary text

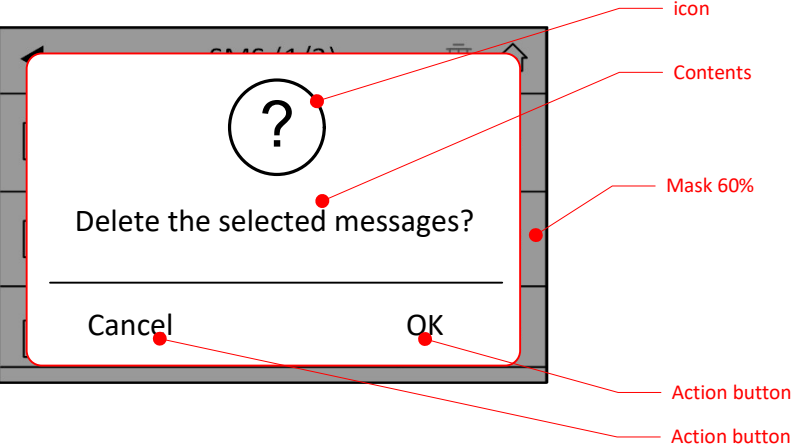
Remove

👤	XX:XX:XX:XX:XX:XX	🗑️
---	-------------------	----

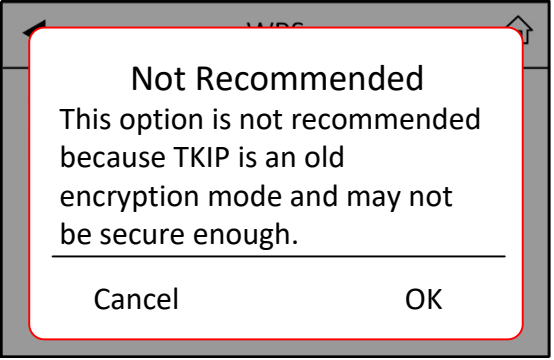
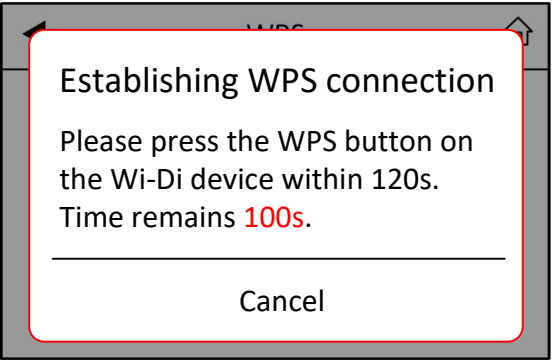
Wireframe

4.Popup

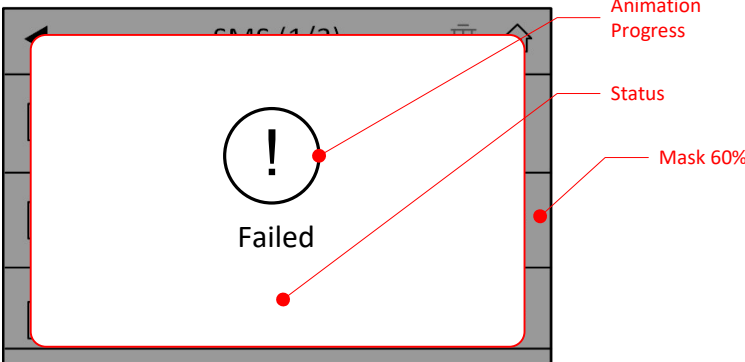
4.1. Confirm



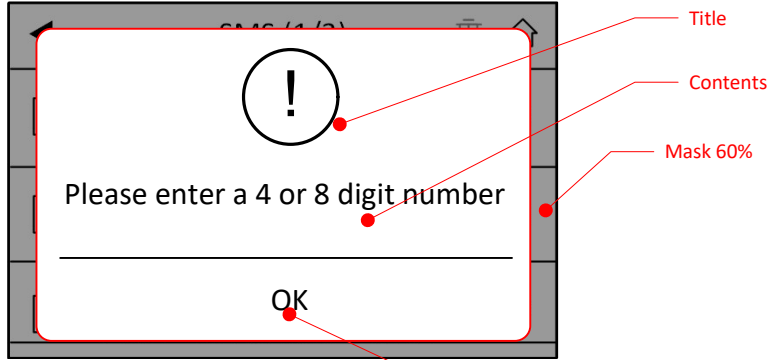
4.2. Information



4.3. Warning



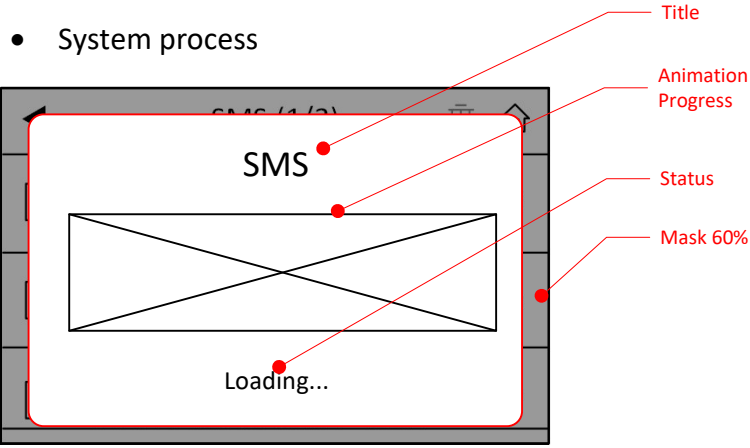
Note:
This will auto time out after 1.5 sec



Note:
Press to back to the previous page

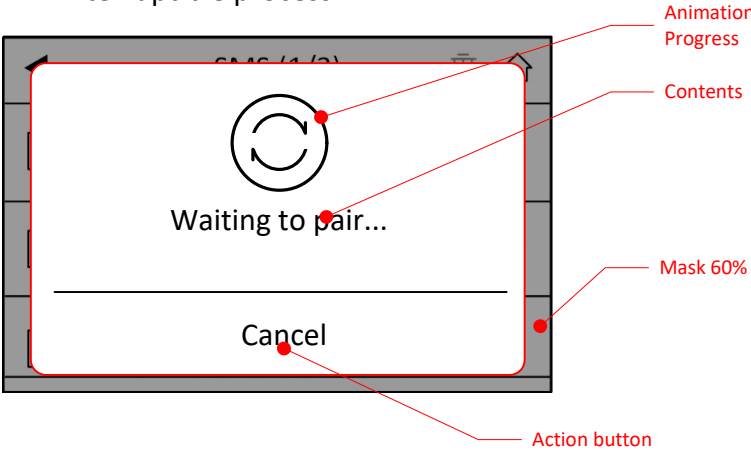
4.4. Processing

- System process

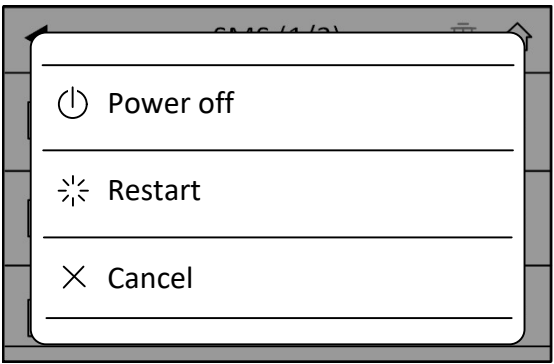


Note:
Finish after system process completed

- Interruptible process



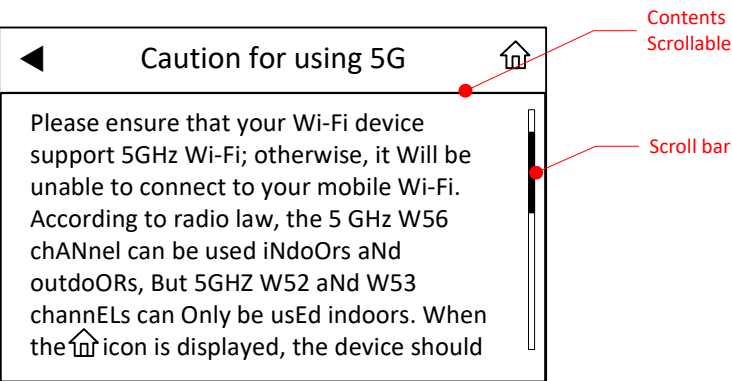
4.5. Power manager



Wireframe

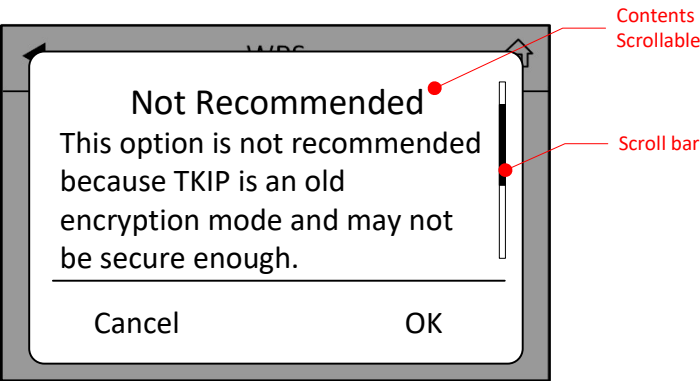
5. Scroll bar

5.1 Information page



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

5.2 Pop-up



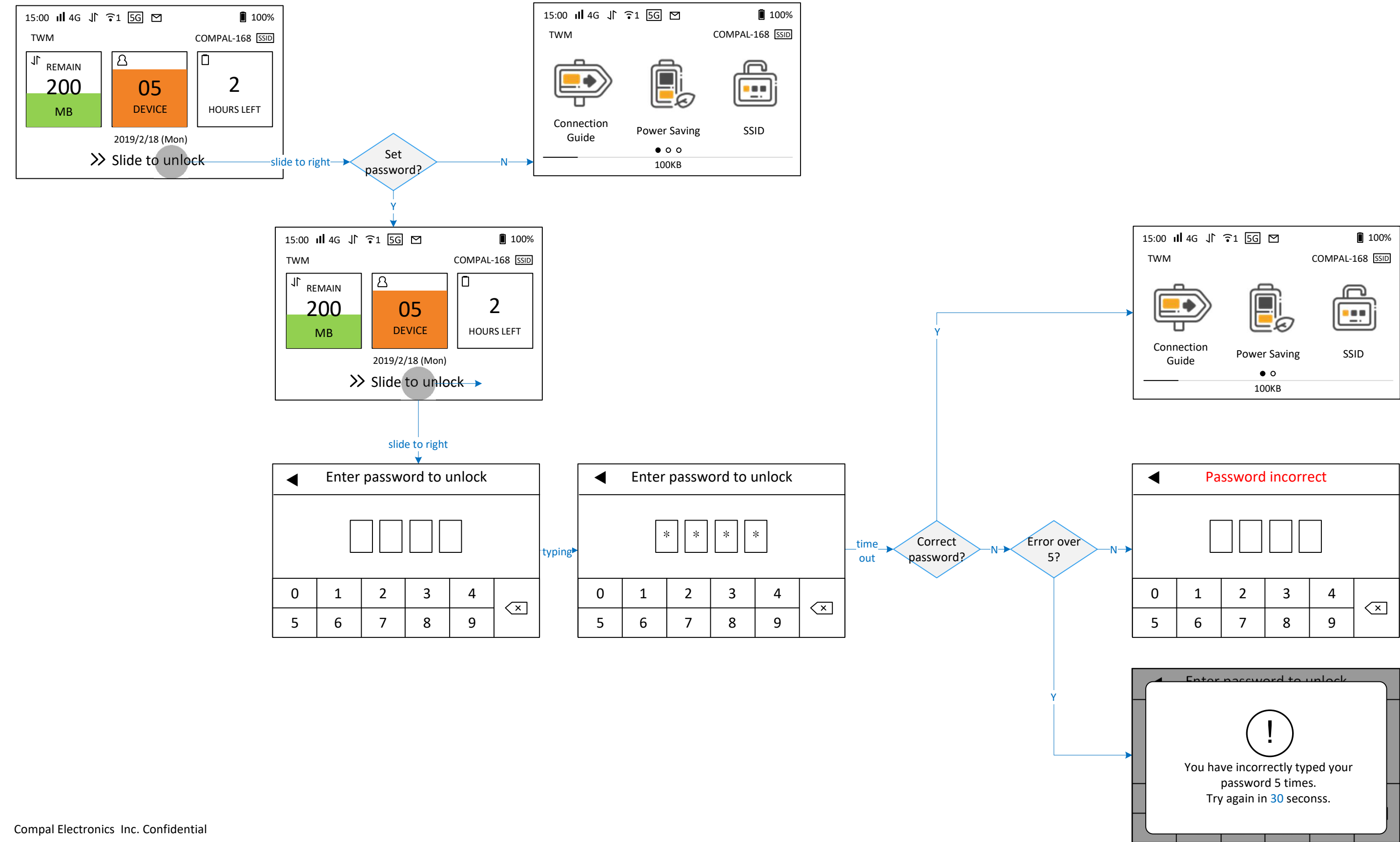
Note:
The scroll bar is ALWAYS show on the screen.

Use case

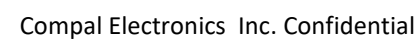
1. Unlock screen
2. Connection Guide
3. Power Saving settings
4. SSID & Password
5. SMS
6. Settings
7. About

Use case

1.Unlock screen

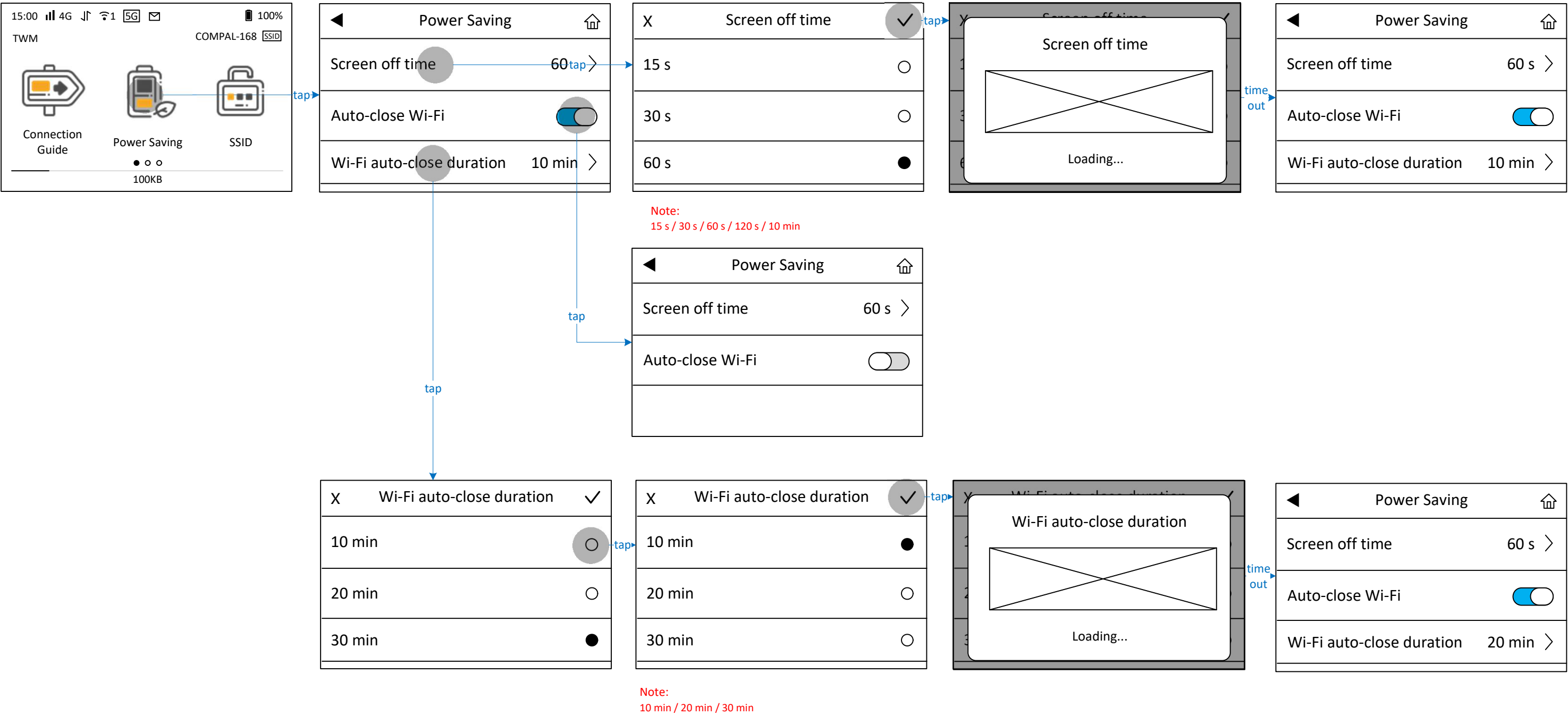


2.1. Connect via different method



Use case

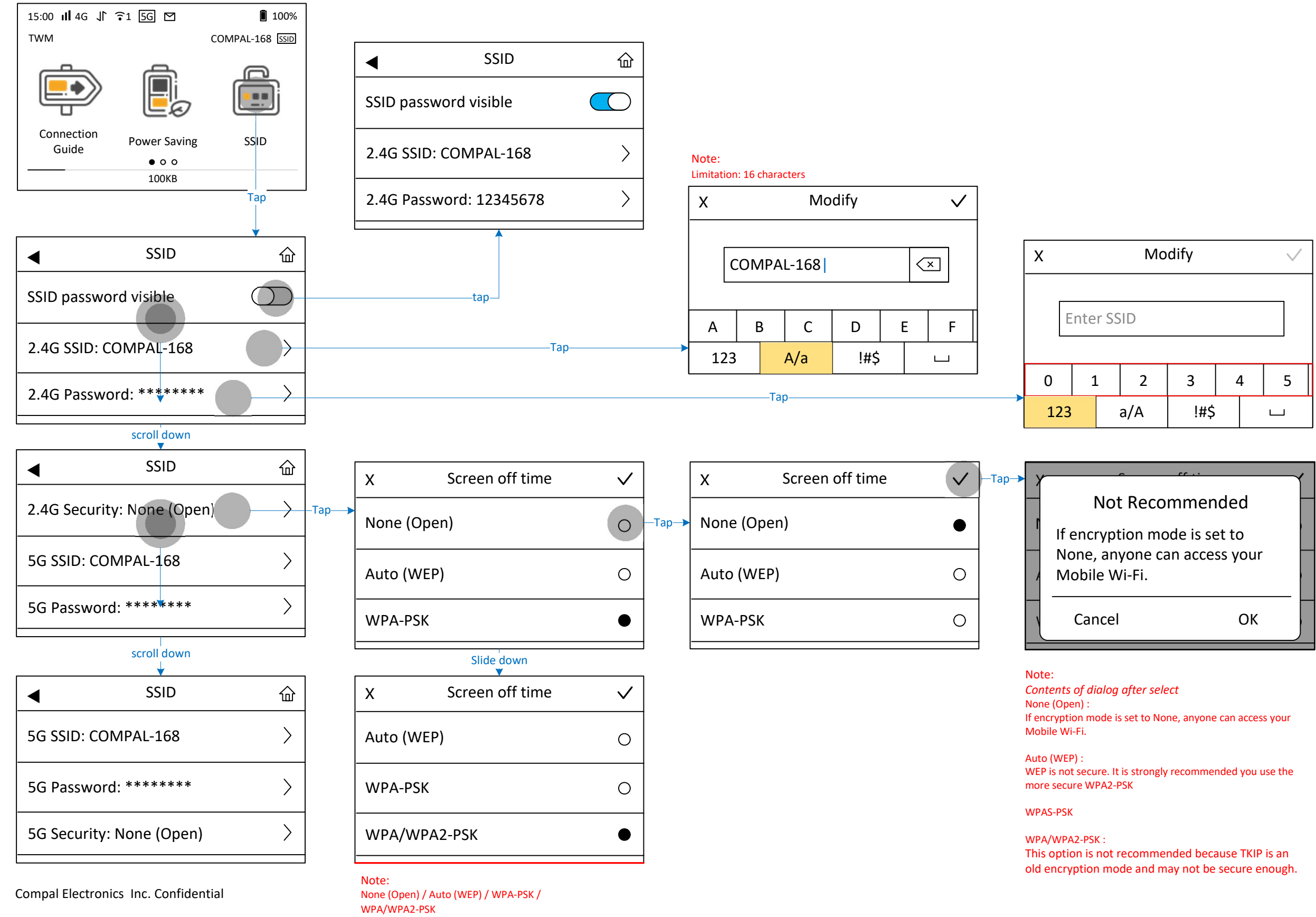
3.Power saving settings



Use case

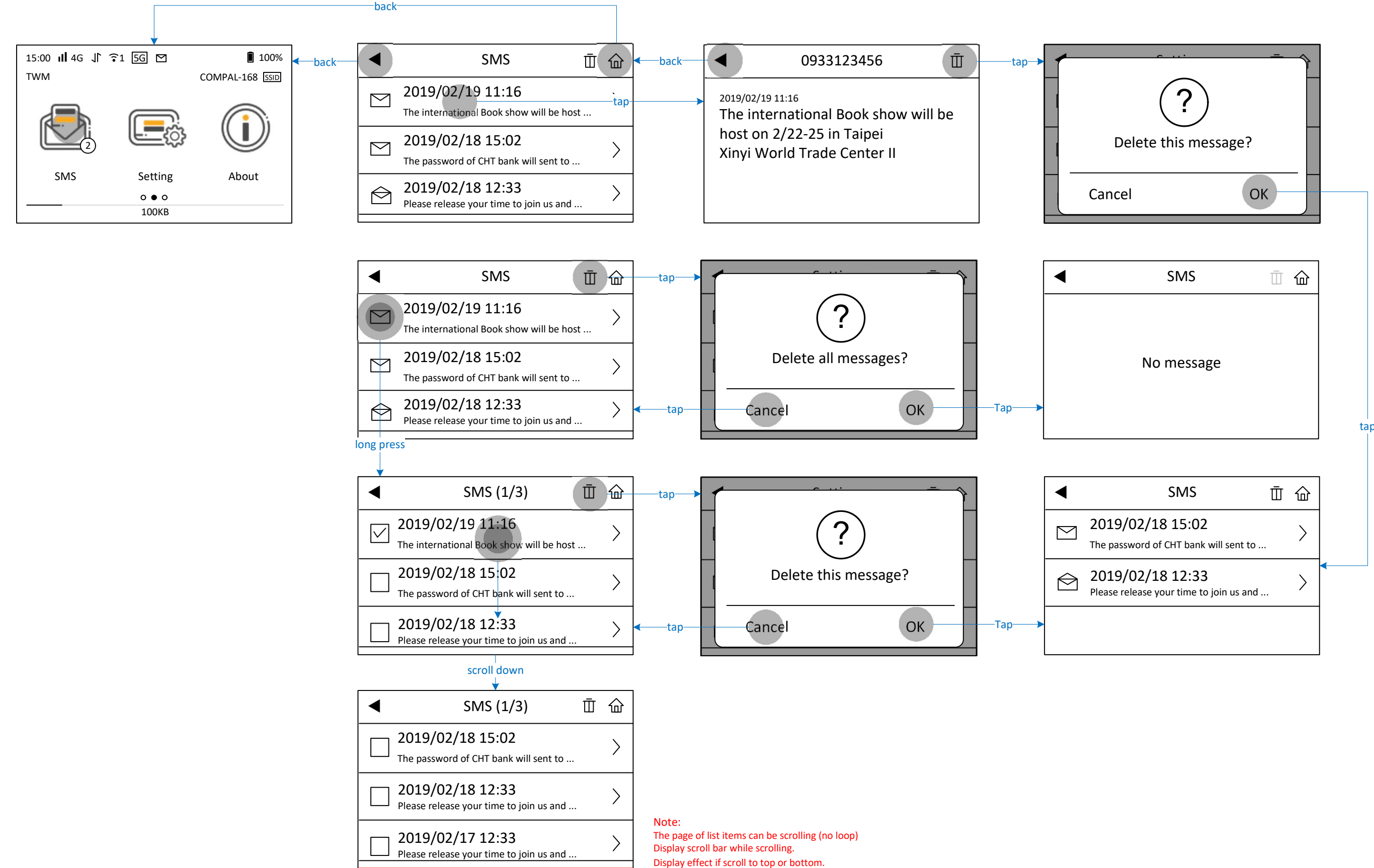
4.Connection Guide

4.1. Connect via different method



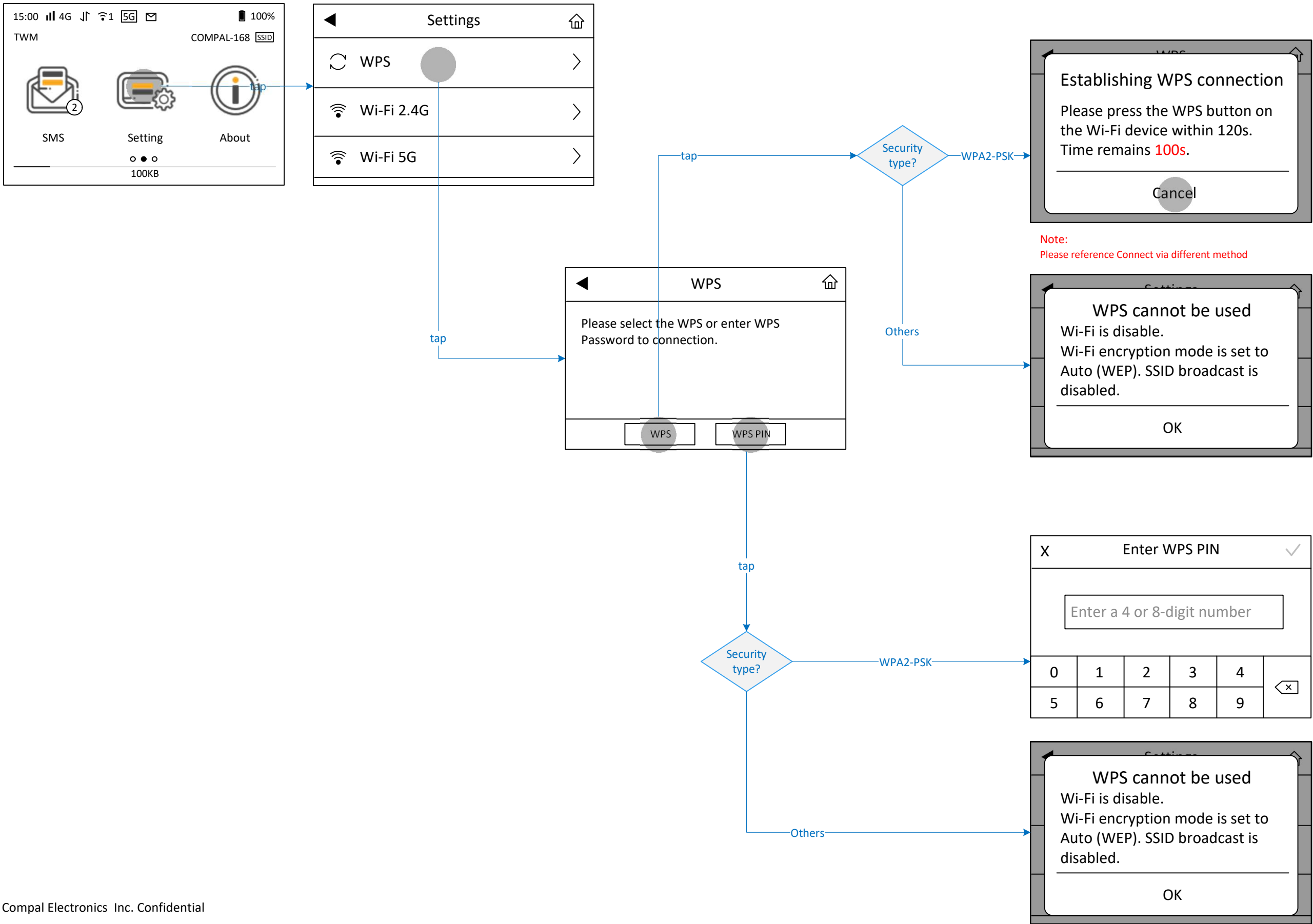
Use case

5.SMS



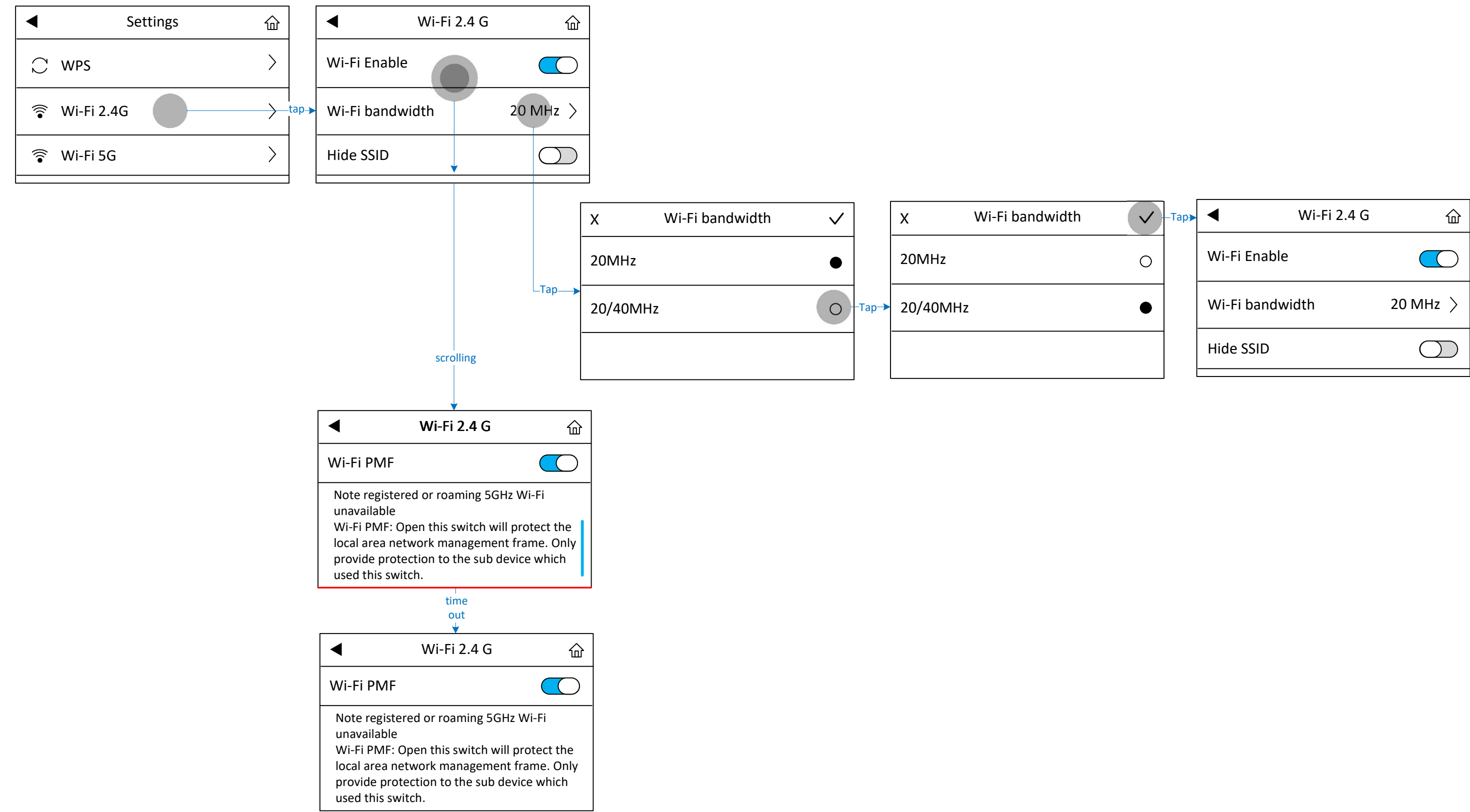
Use case

6.Settings: WPS



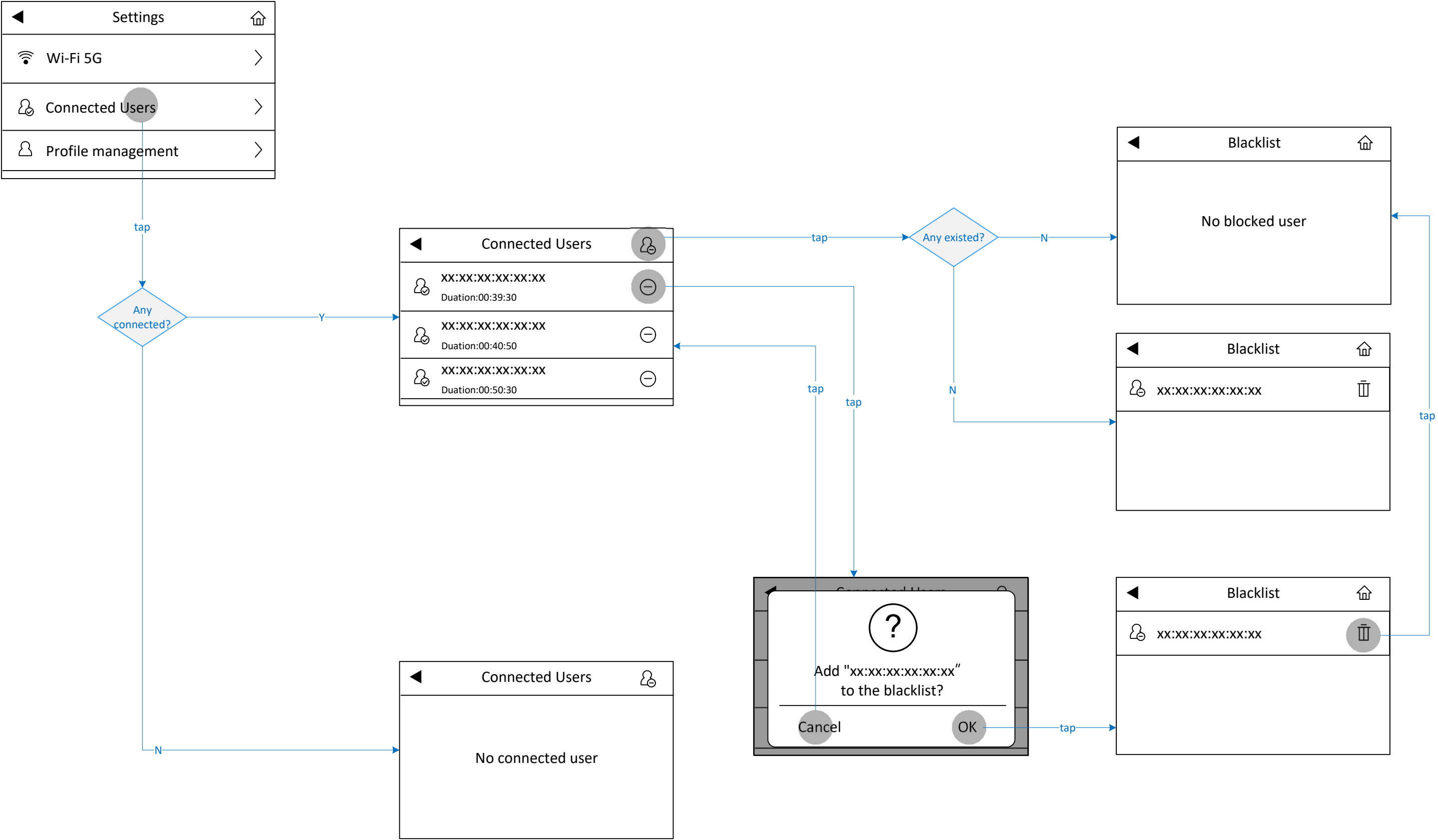
Use case

6.Settings: WiFi



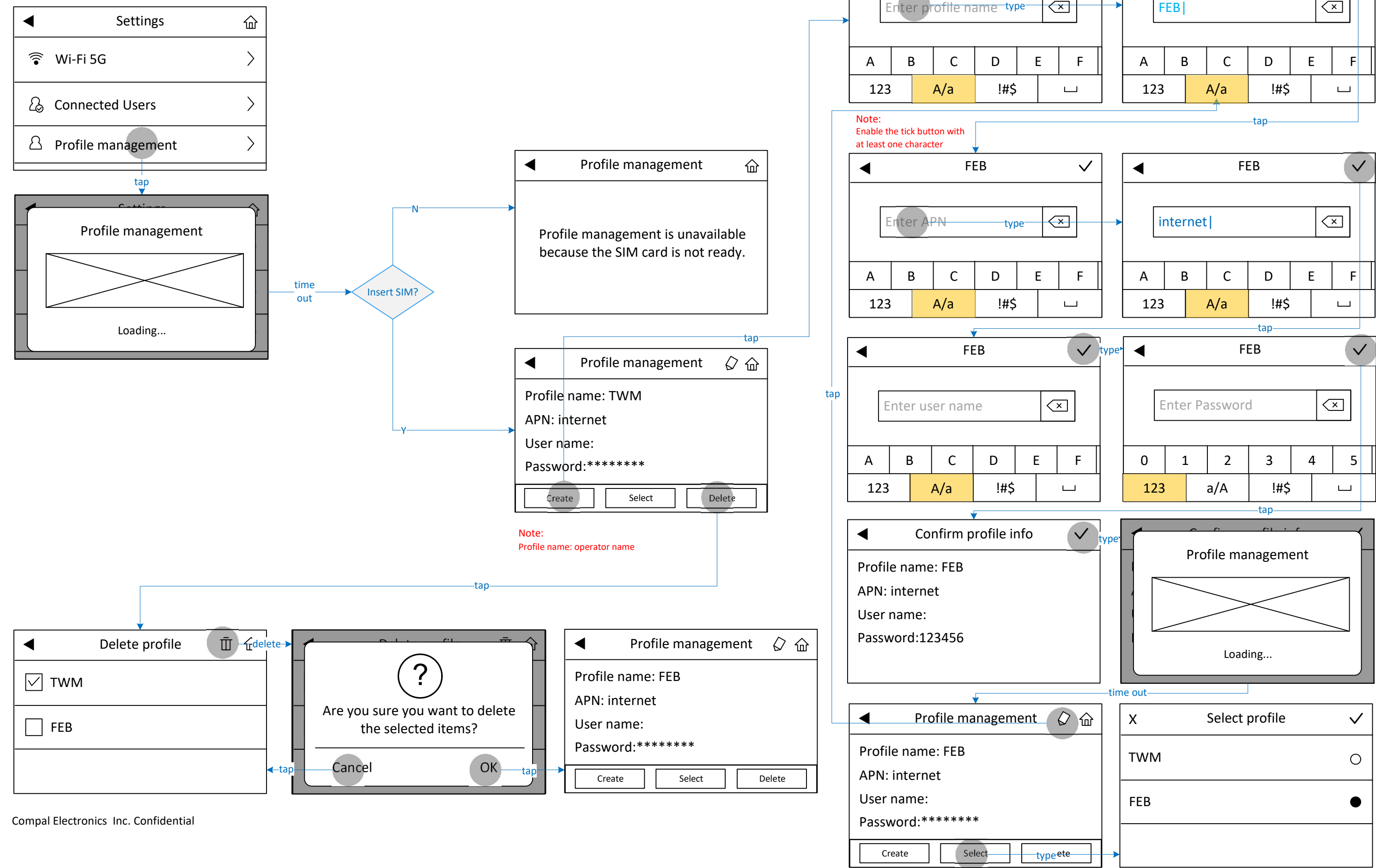
Use case

6.Settings: Connection



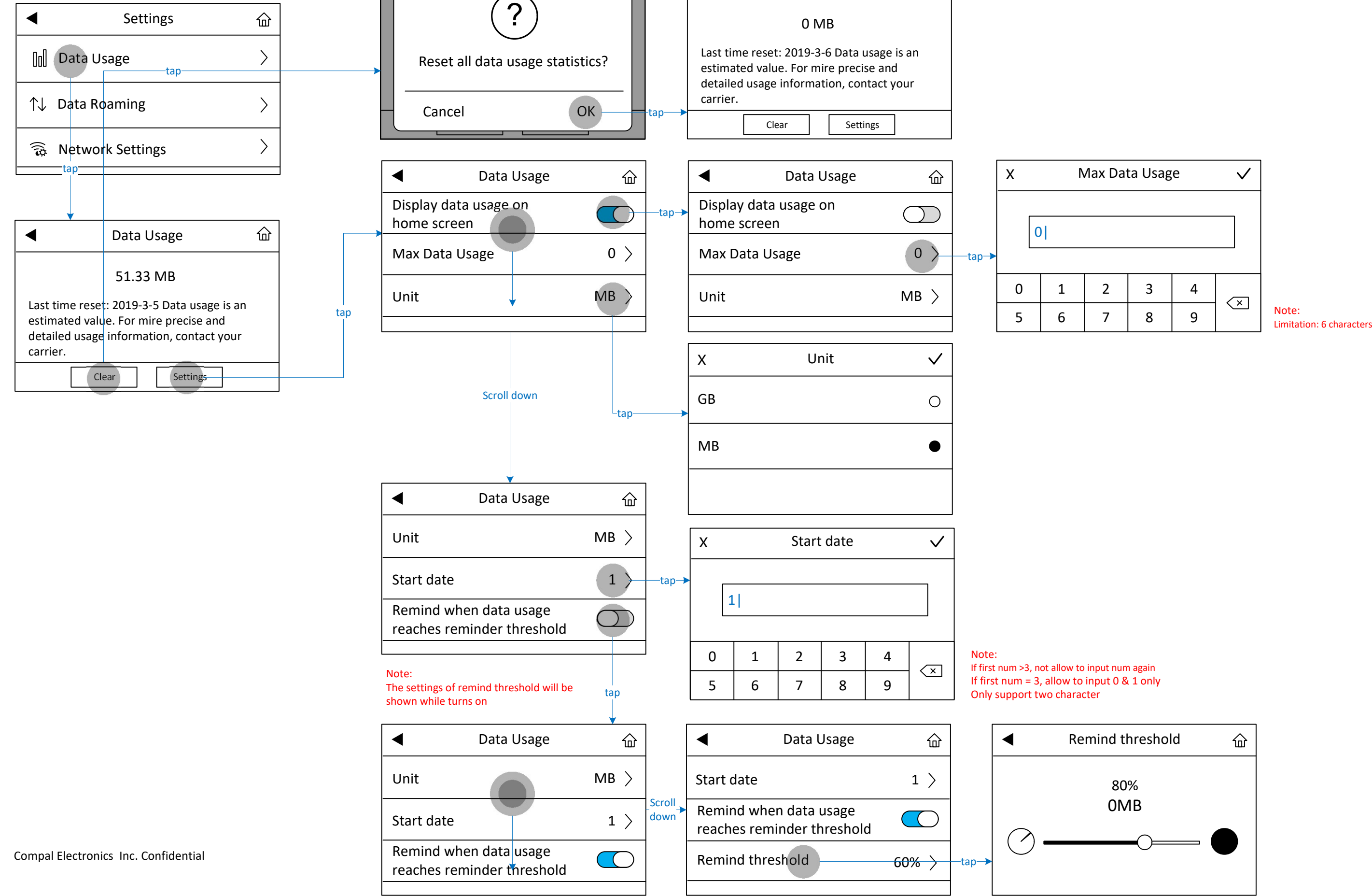
Use case

6.Settings: Profile management



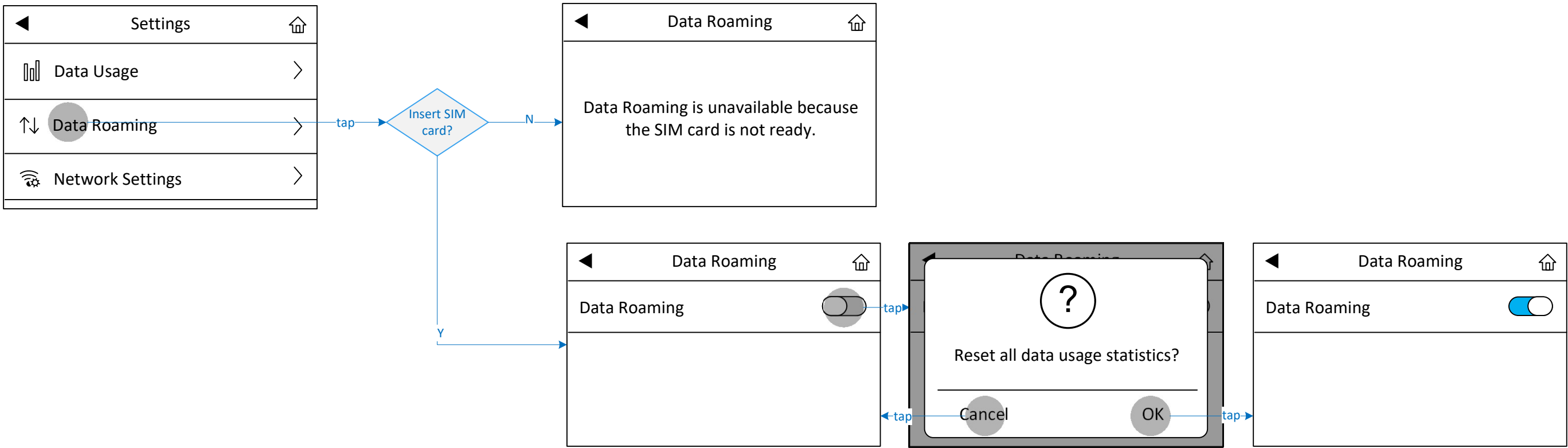
Use case

6.Settings: Data usage



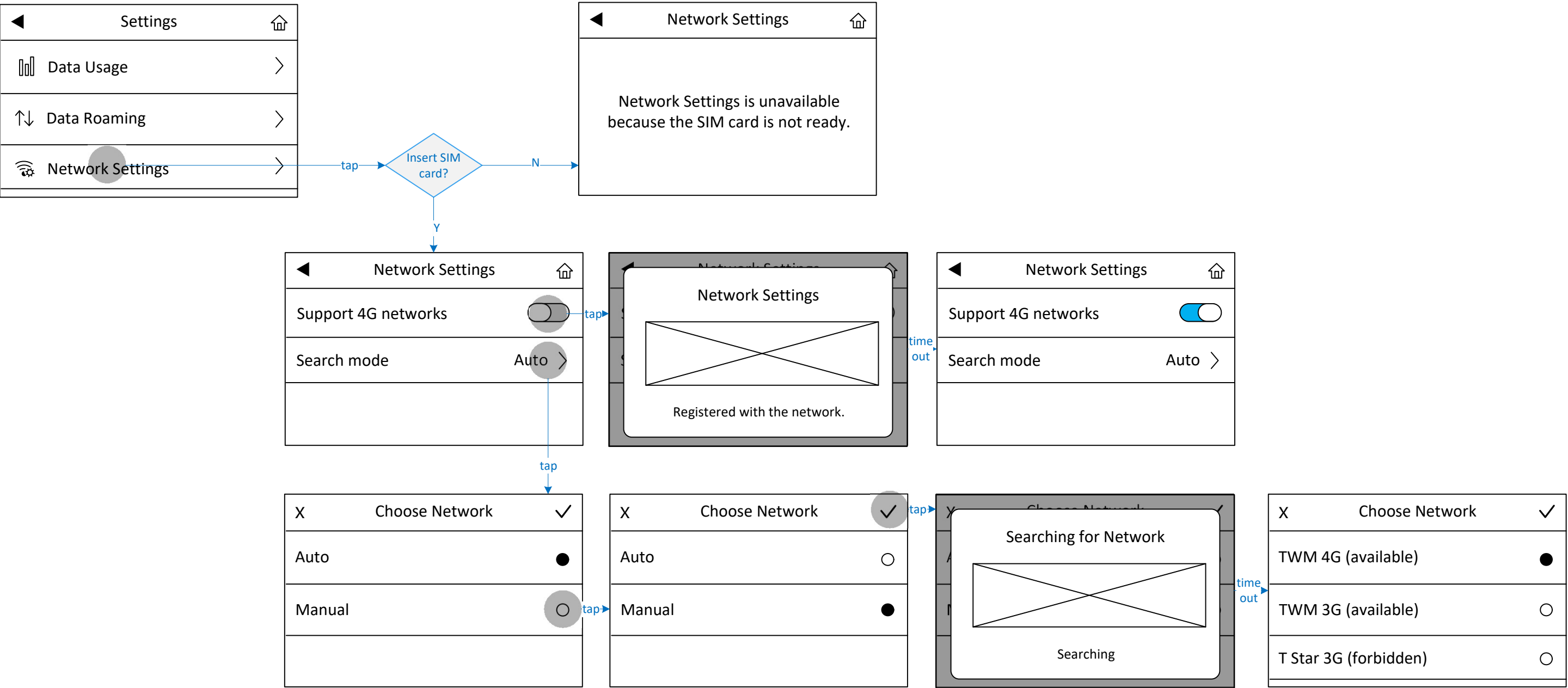
Use case

6.Settings: Data Roaming



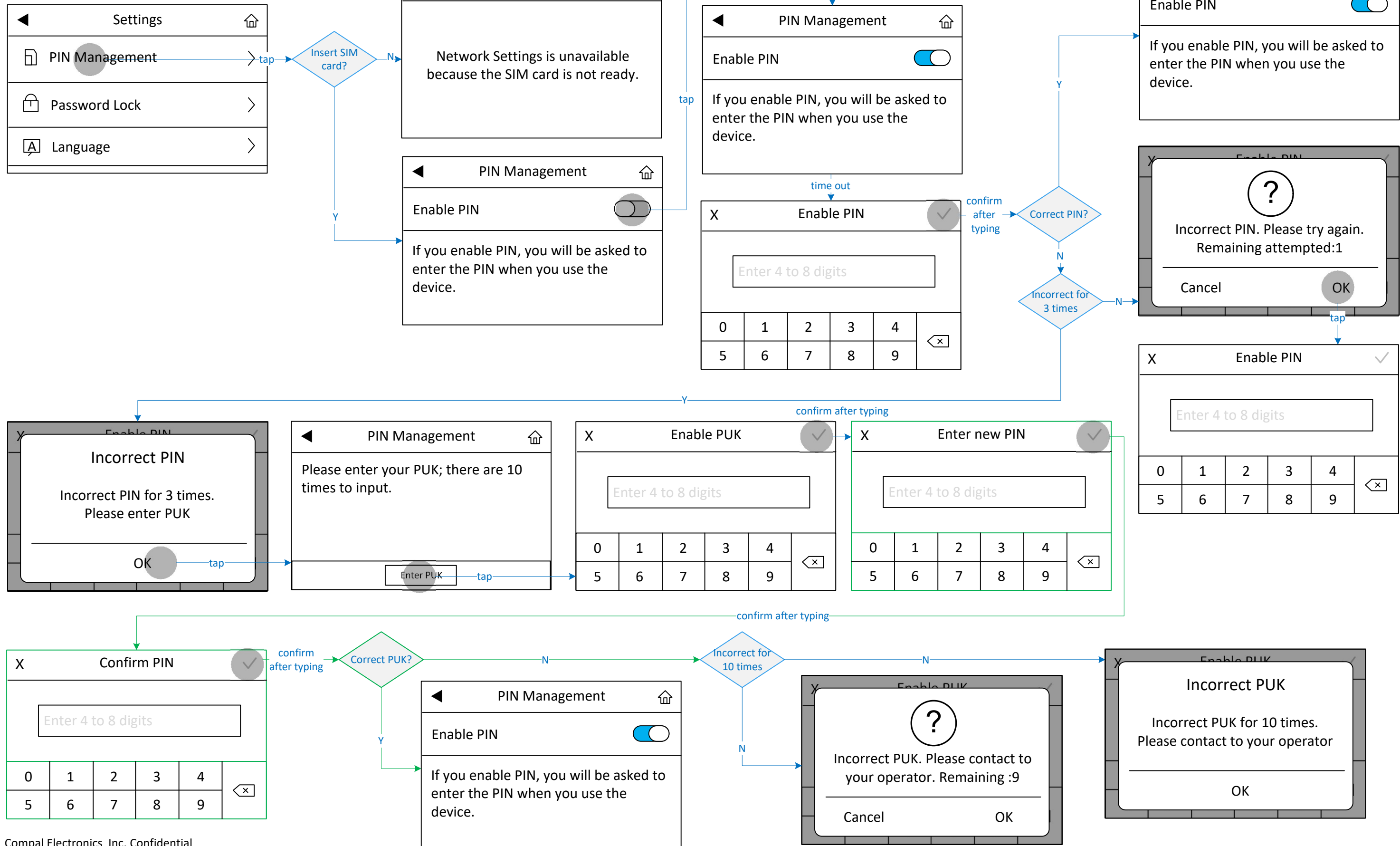
Use case

6.Settings: Network Settings



Use case

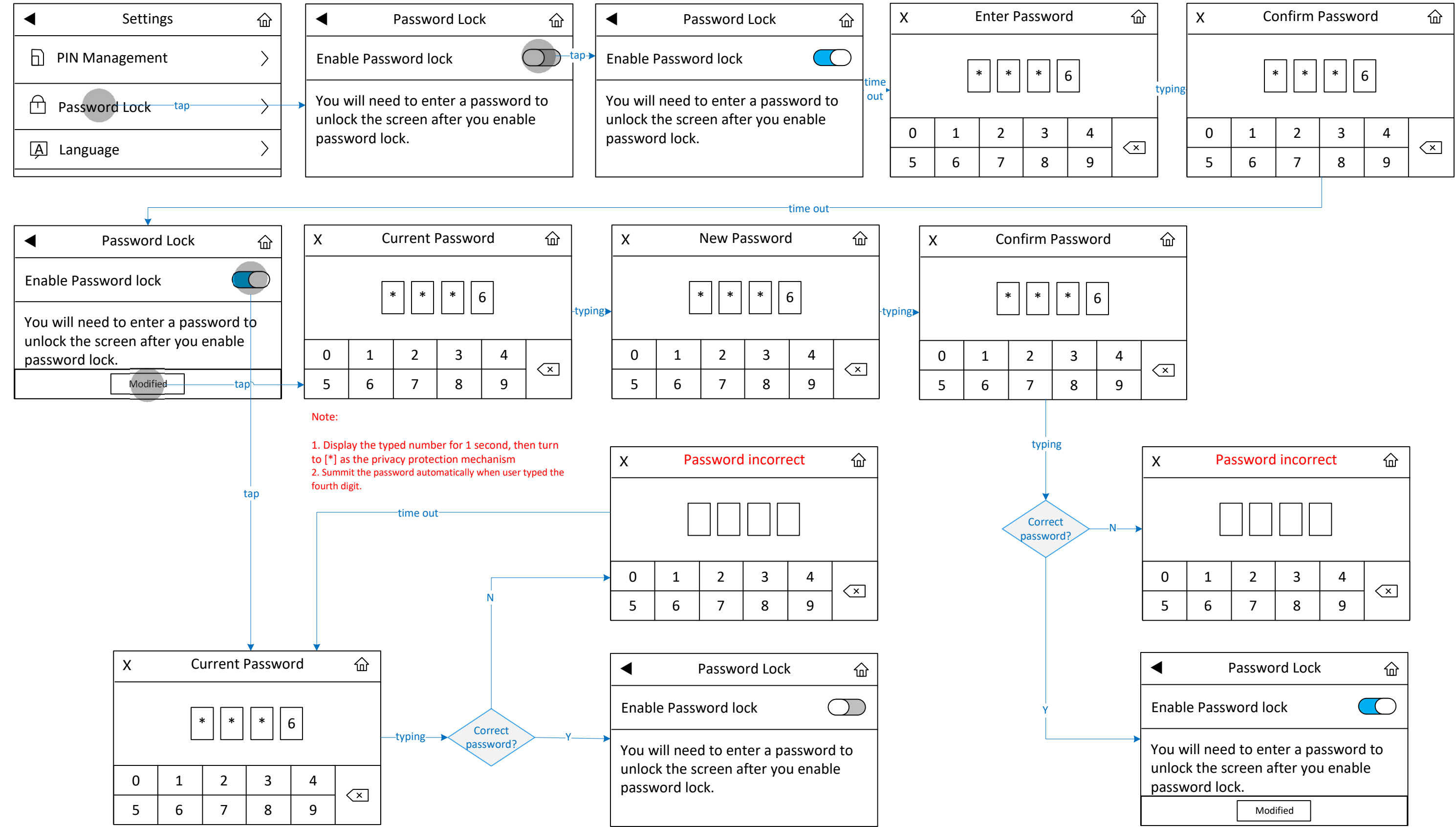
6.Settings: PIN Management



Note:
After 10 times, the SIM card can not use.

Use case

6.Settings: Password Lock



Use case

6.Settings: System

Settings

Password Lock

Language

Date & Time

Note:
About the language types, please reference to the device

XLanguage

English

Francais

Deutsch

Settings

Password Lock

Language

Remote Wakeup

Date & Time

Year2019

Month & Date12/24

Hour & Minute05:24

XYear

2019

0156789

Note:
First field 0~9
Second field 0~9

Date & Time

Year2019

Month & Date12/24

Hour & Minute05:24

XMonth & Date

12/24

0123456789

Note:
[Month]
First field 0,1
Second field if =0 (1~9) / if =1 (1,2)
[Date]
First field 0,1,2,3
Second field if =0 (1~9) / if =1 (0~9) / if =2 (0~9) / if =3 (0,1)

Date & Time

Year2019

Month & Date12/24

Hour & Minute05:24

XHour & Minute

05:24

0123456789

Note:
[Hour]
First field 0,1
Second field if =0 (1~9) / if =1 (1,2)
[Minute]
First field 0~5
Second field if =0 (1~9) / if =1~5 (0~9)

Date & Time

AM/PM

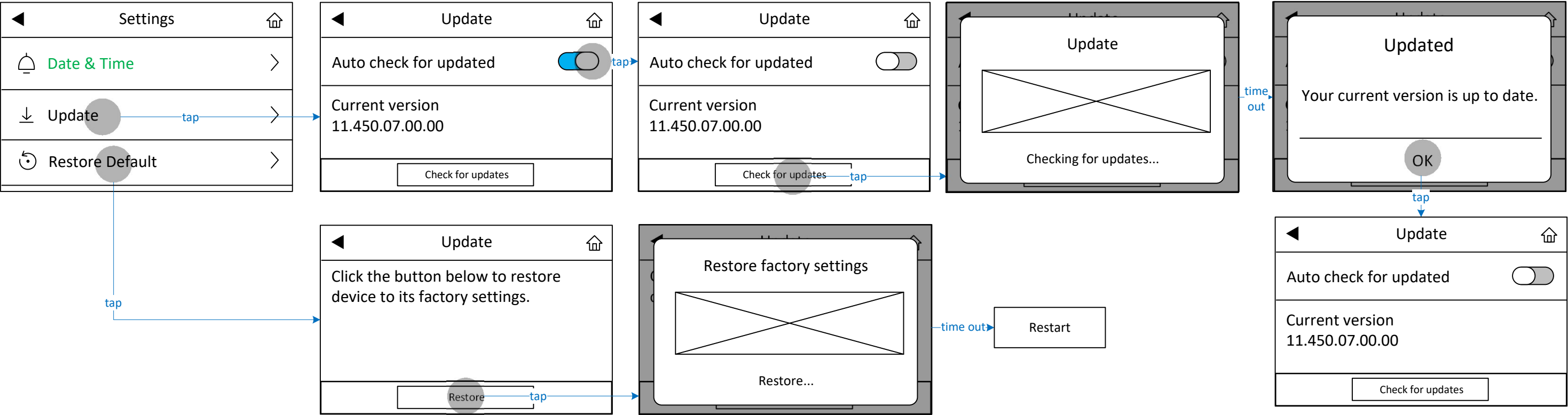
XAM/PM

AM

PM

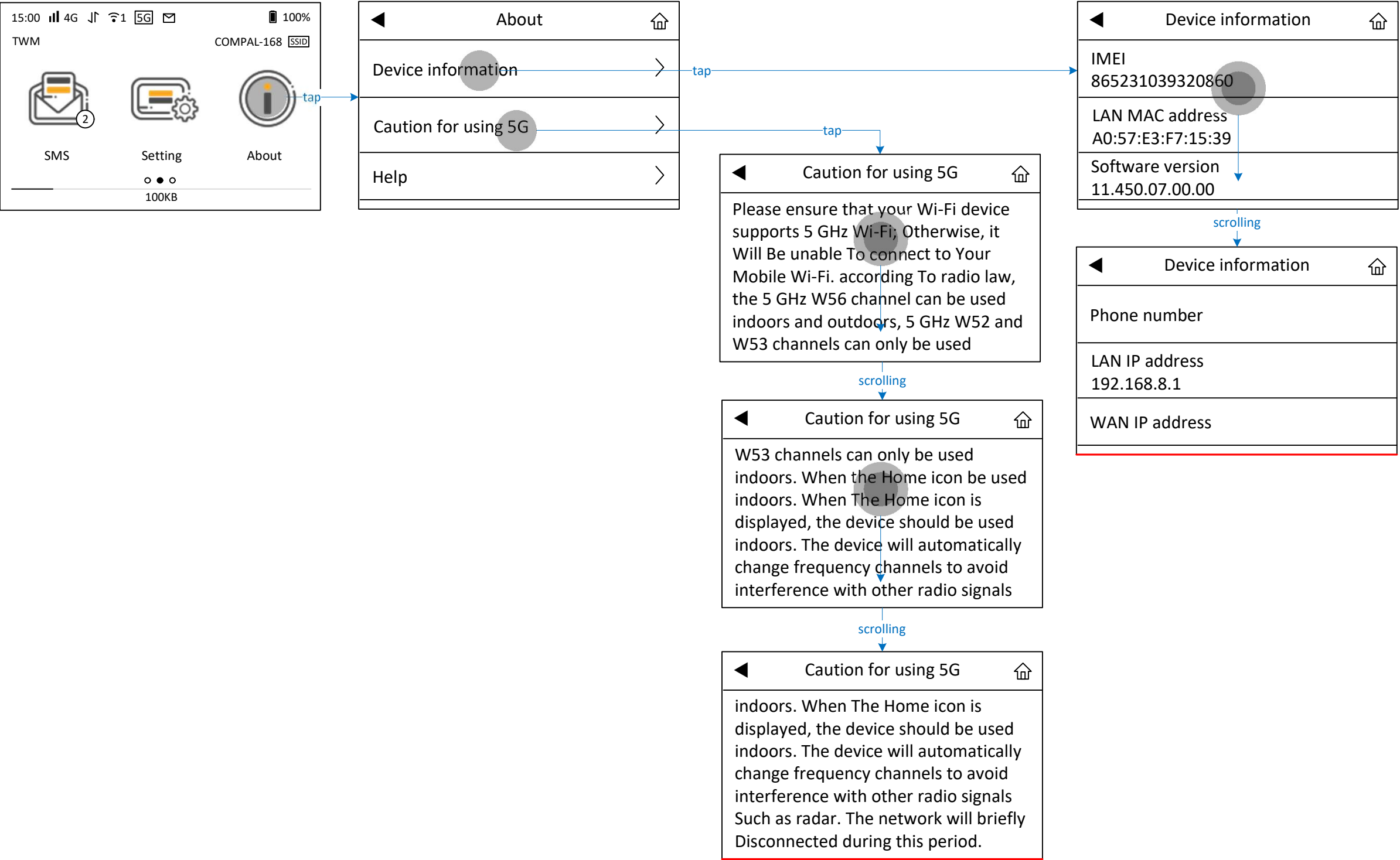
Use case

6.Settings: Device



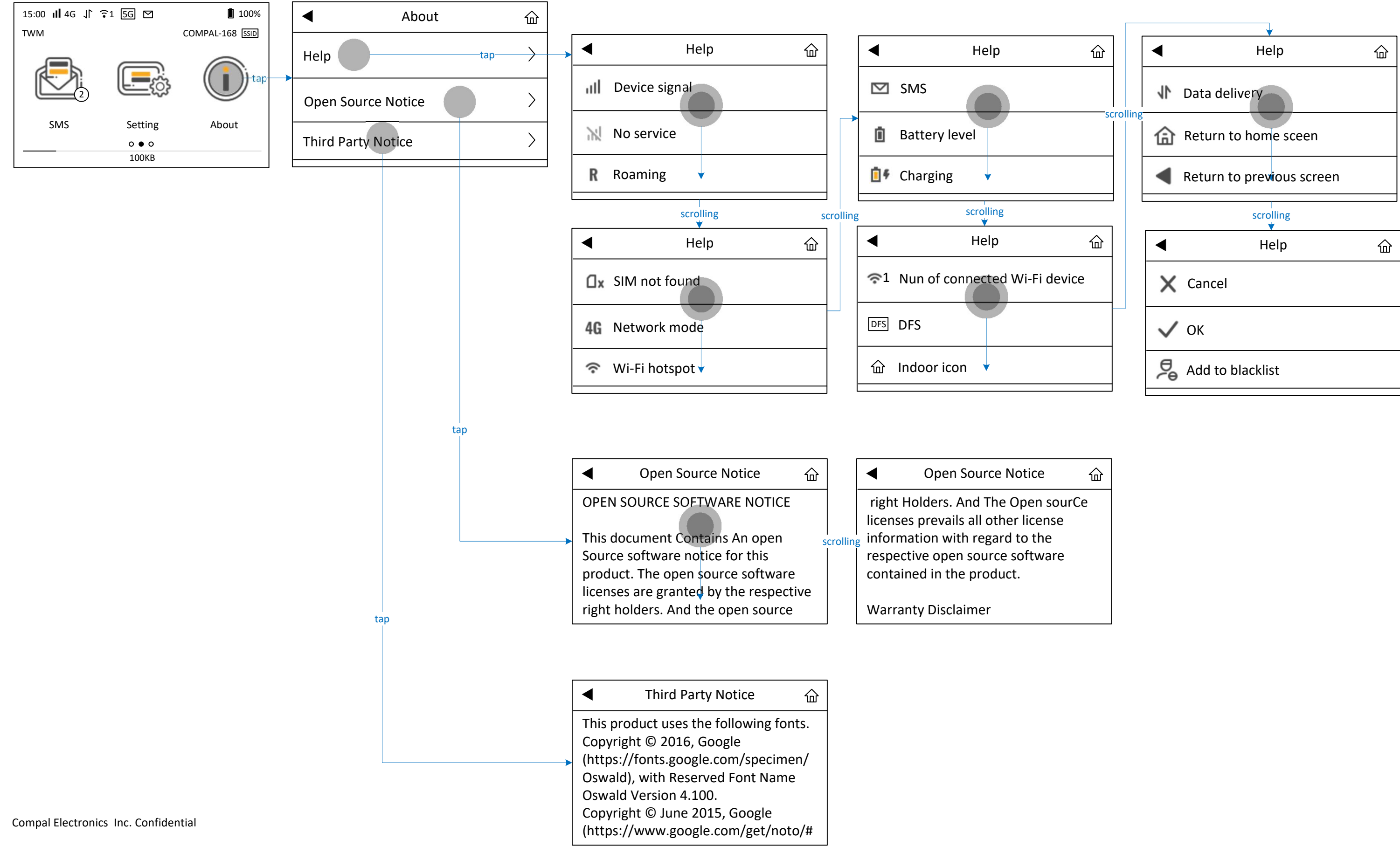
Use case

7.About



Use case

7.About



Use case

8.Speedtest

