CLAIMS

What is claimed is:

1. A method for connecting to a Wireless Fidelity Wi-Fi hotspot device, comprising:

generating, by a first user equipment (UE), a two-dimensional barcode according to a Wi-Fi authentication information corresponding to the Wi-Fi hotspot device, wherein the Wi-Fi authentication information is used for authentication to connect with the Wi-Fi hotspot device;

sending, by the first UE, the two-dimensional barcode to the Wi-Fi hotspot device;

scanning, by a second UE, the two-dimensional barcode presented on a display screen of the Wi-Fi hotspot device;

extracting, by the second UE, the Wi-Fi authentication information comprised in the two-dimensional barcode;

presenting, by the second UE, prompt information, wherein the prompt information comprises a connect button, wherein the prompt information is used to instruct to connect to the Wi-Fi hotspot device;

completing, by the second UE, authentication with the Wi-Fi hotspot device according to the Wi-Fi authentication information based on input corresponding to the prompt information, and connecting to the Wi-Fi hotspot device.

2. The method according to claim 1, wherein the two-dimensional barcode comprises a quick response (QR) code.

3. The method according to claim 1 or 2, wherein the Wi-Fi authentication information comprises at least one of the following items: a service set identifier SSID, an authentication mode, and an authentication password.

4. The method according to any one of claims 1 to 3, wherein the method further comprises: sharing, by the second UE, the two-dimensional barcode with a third UE.

5. The method according to any one of claims 1 to 4, wherein the method further comprising:

automatically enabling, by the second UE, Wi-Fi function of the second UE before completing authentication with the Wi-Fi hotspot device and connecting to the Wi-Fi hotspot device if the Wi-Fi function of the second UE is not enabled.

6. The method according to claim 1, wherein the Wi-Fi authentication information is dynamically changed by the Wi-Fi hotspot device.

7. The method according to claim 6, wherein the two-dimensional barcode is dynamically generated according to the dynamically changed Wi-Fi authentication information.

8. The method according to claim 1, further comprising:

receiving, by the first UE, the Wi-Fi authentication information from the Wi-Fi hotspot device.

9. A system, comprising: a first electronic device and a second electronic device;

wherein the first UE is configured to:

generate a two-dimensional barcode according to a Wireless Fidelity Wi-Fi authentication information corresponding to a Wi-Fi hotspot device, wherein the Wi-Fi authentication information is used for authentication to connect with the Wi-Fi hotspot device; and

send the two-dimensional barcode to the Wi-Fi hotspot device;

wherein the second electronic device is configured to:

scan the two-dimensional barcode presented on a display screen of the Wi-Fi hotspot device;

extract the Wi-Fi authentication information comprised in the two-dimensional barcode;

present prompt information, wherein the prompt information comprises a connect button, wherein the prompt information is used to instruct to connect to the Wi-Fi hotspot device;

complete authentication with the Wi-Fi hotspot device according to the Wi-Fi authentication information based on input corresponding to the prompt information, and connect to the Wi-Fi hotspot device.

10. The system according to claim 9, wherein the two-dimensional barcode comprises a quick response (QR).

11. The system according to claim 9 or 10, wherein the second UE is further configured to: share the two-dimensional barcode with a third UE, so that the third UE can connect to the Wi-Fi hotspot device.

12. The system according to any one of claims 9 to 11, wherein the Wi-Fi authentication information comprises at least one of the following items: a service set identifier SSID, an authentication mode, and an authentication password.

13. The system according to any one of claims 9 to 12, wherein the second UE is further configured to: automatically enable Wi-Fi function of the second UE before complete authentication with the Wi-Fi hotspot device and connect to the Wi-Fi hotspot device if the Wi-Fi function of the second UE is not enabled.

14. The system according to any one of claims 9 to 13, wherein the Wi-Fi authentication information is dynamically changed by the Wi-Fi hotspot device.

15. The system according to claim 14, wherein the two-dimensional barcode is dynamically generated according to the dynamically changed Wi-Fi authentication information.

16. The method according to any one of claims 9 to 15, further comprising:

receiving, by the first UE, the Wi-Fi authentication information from the Wi-Fi hotspot device.

17. A system, comprising: a first electronic device, a second electronic device and a Wireless Fidelity Wi-Fi hotspot device; wherein

the first electronic device is configured to:

generate a two-dimensional barcode according to a Wi-Fi authentication information corresponding to the Wi-Fi hotspot device, wherein the Wi-Fi authentication information is used for authentication to connect with the Wi-Fi hotspot device; and

send the two-dimensional barcode to the Wi-Fi hotspot device; and

the second electronic device is configured to:

scan the two-dimensional barcode presented on a display screen of the Wi-Fi hotspot device;

extract the Wi-Fi authentication information from the two-dimensional barcode, wherein the Wi-Fi authentication information comprises at least one of: a service set identifier (SSID), an authentication mode, or an authentication password; and

present, to a user, prompt information that instructs the user to connect to the Wi-Fi hotspot device after the Wi-Fi authentication information is successfully extracted from the

two-dimensional barcode, wherein the prompt information comprises a button displayed for connection confirmation;

receive an input on the button; and

in response to the input on the button, complete authentication with the Wi-Fi hotspot device

according to the Wi-Fi authentication information; and

connect to the Wi-Fi hotspot device.

18. The system according to claim 17, wherein the two-dimensional barcode comprises a quick response (QR) code.

19. The system according to claim 17 or 18, wherein the second electronic device is further configured to send the two-dimensional barcode to a third UE.

20. The system according to any one of claims 17 to 19, wherein the Wi-Fi authentication information is dynamically changed by the Wi-Fi hotspot device.

21. The system according to claim 20, wherein the two-dimensional barcode is dynamically generated according to the dynamically changed Wi-Fi authentication information.

22. The system according to any one of claims 17 to 21, wherein the second UE is further configured to:

automatically enable Wi-Fi function of the second UE before complete authentication with the Wi-Fi hotspot device and connect to the Wi-Fi hotspot device if the Wi-Fi function of the second UE is not enabled.

23. The system according to any one of claims 17 to 22, wherein the first electronic device is further configured to:

receive the Wi-Fi authentication information from the Wi-Fi hotspot device.