

1. A method, implemented by a processor device, for controlling wireless data traffic of an information processing device, the method comprising:

obtaining a recognition identifier of a Wi-Fi hotspot device;

determining, by the processor device, whether the Wi-Fi hotspot device is a wireless routing type of device or an intelligent terminal type of device based on the recognition identifier; and

controlling the wireless data traffic of the information processing device according to the determined type of device, including forbidding the information processing device from downloading a file having a size exceeding a preset value when it is determined that the Wi-Fi hotspot device is the intelligent terminal type of device.

2. The method of claim 1, wherein the recognition identifier comprises a Media Access Control (MAC) address of the Wi-Fi hotspot device, and determining whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on the recognition identifier comprises:

looking up information of a device manufacturer corresponding to the MAC address in an Organizationally Unique Identifier (OUI) distribution library; and

determining whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on the information of the device manufacturer.

3. The method of claim 2, wherein determining whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on the information of the device manufacturer comprises:

when the information of the device manufacturer includes multiple types of Wi-Fi

hotspot devices, determining whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on relationships between MAC addresses provided by the device manufacturer and the multiple types of the Wi-Fi hotspot devices.

4. The method of claim 2, further comprising:

when the information of the device manufacturer corresponding to the MAC address is not found in the OUI distribution library, determining whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on a Service Set Identifier (SSID) of the Wi-Fi hotspot device.

5. The method of claim 1, wherein controlling the wireless data traffic of the information processing device according to the determined type of device, further including:

providing the wireless data traffic of the information processing device when it is determined that the Wi-Fi hotspot device is the wireless routing type of device.

6. An apparatus for controlling wireless data traffic, comprising:

a memory device; and

a processor device communicatively coupled to the memory device, wherein the processor device is configured to:

obtain a recognition identifier of a Wi-Fi hotspot device;

determine whether the Wi-Fi hotspot device is a wireless routing type of device or an intelligent terminal type of device based on the recognition identifier;

and

control the wireless data traffic of an information processing device according to the determined type of device, including a forbidding of the information processing device from downloading a file having a size exceeding a preset value when it is determined that the Wi-Fi hotspot device is the intelligent terminal type of device.

7. The apparatus of claim 6, wherein the recognition identifier comprises a Media Access Control (MAC) address of the Wi-Fi hotspot device, and the processor device is configured to:

look up information of a device manufacturer corresponding to the MAC address in an Organizationally Unique Identifier (OUI) distribution library; and

determine whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on the information of the device manufacturer.

8. The apparatus of claim 7, wherein:

when the information of the device manufacturer includes multiple types of Wi-Fi hotspot devices, the processor device determines whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on relationships between MAC addresses provided by the device manufacturer and the multiple types of the Wi-Fi hotspot devices.

9. The apparatus of claim 7, wherein:

when the information of the device manufacturer corresponding to the MAC address is not found in the OUI distribution library, the processor device determines whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of

device based on a Service Set Identifier (SSID) of the Wi-Fi hotspot device.

10. The apparatus of claim 6, wherein the processor device is further configured to control the wireless data traffic of an information processing device according to the determined type of device by providing the wireless data traffic of the information processing device when it is determined that the Wi-Fi hotspot device is the wireless routing type of device.

11. A method, implemented by a processor device, for controlling wireless network access, the method comprising:

obtaining a recognition identifier of a Wi-Fi hotspot device through which a client application accesses a wireless network;

determining, by the processor device, whether the Wi-Fi hotspot device is a wireless routing type of device or an intelligent terminal type of device based on the recognition identifier; and

controlling information downloading of the client application according to the determined type of device, including forbidding the client application from downloading a file having a size exceeding a preset value when it is determined that the Wi-Fi hotspot device is the intelligent terminal type of device.

12. The method of claim 11, wherein the recognition identifier comprises a Media Access Control (MAC) address of the Wi-Fi hotspot device, and determining whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on the recognition identifier comprises:

looking up information of a device manufacturer corresponding to the MAC address

in an Organizationally Unique Identifier (OUI) distribution library; and

determining whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on the information of the device manufacturer.

13. The method of claim 12, wherein determining whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on the information of the device manufacturer comprises:

when the information of the device manufacturer includes multiple types of Wi-Fi hotspot devices, determining whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on relationships between MAC addresses provided by the device manufacturer and the multiple types of the Wi-Fi hotspot devices.

14. The method of claim 12, further comprising:

when the information of the device manufacturer corresponding to the MAC address is not found in the OUI distribution library, determining whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on a Service Set Identifier (SSID) of the Wi-Fi hotspot device.

15. The method of claim 11, wherein controlling information downloading of the client application according to the determined type of device, further including:

allowing the client application to download the file when it is determined that the Wi-Fi hotspot device is the wireless routing type of device.

16. A computer server for providing wireless traffic control service to a client application, the computer server comprising:

a memory device; and

a processor device communicatively coupled to the memory device, wherein the processor device is configured to:

obtain a recognition identifier of a Wi-Fi hotspot device through which the client application accesses a wireless network;

determine whether the Wi-Fi hotspot device is a wireless routing type of device or an intelligent terminal type of device based on the recognition identifier; and

control information downloading of the client application according to the determined type of device, including forbidding the client application from downloading a file having a size exceeding a preset value when it is determined that the Wi-Fi hotspot device is the intelligent terminal type of device.

17. The computer server of claim 16, wherein the recognition identifier comprises a Media Access Control (MAC) address of the Wi-Fi hotspot device, and the processor device is configured to:

look up information of a device manufacturer corresponding to the MAC address in an Organizationally Unique Identifier (OUI) distribution library; and

determine whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on the information of the device manufacturer.

18. The computer server of claim 17, wherein:

when the information of the device manufacturer includes multiple types of Wi-Fi hotspot devices, the processor device determines whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on relationships between MAC addresses provided by the device manufacturer and the multiple types of the Wi-Fi hotspot devices.

19. The computer server of claim 17, wherein:

when the information of the device manufacturer corresponding to the MAC address is not found in the OUI distribution library, the processor device determines whether the Wi-Fi hotspot device is the wireless routing type of device or the intelligent terminal type of device based on a Service Set Identifier (SSID) of the Wi-Fi hotspot device.

20. The computer server of claim 16, wherein controlling information downloading of the client application according to the determined type of device, further including:

allowing the client application to download the file when it is determined that the Wi-Fi hotspot device is the wireless routing type of device.