CLAIMS

1. A computer-implemented method for barcode-based communication, the computer-implemented method comprising:

determining first transmission information to adjust quality of communication with a peer device, wherein the first transmission information comprises least one of types of service information, device control information and communication control information;

generating a first barcode based on the first transmission information;

displaying the first barcode for scanning by a peer device;

scanning a second barcode displayed by the peer device; and

retrieving second transmission information comprised in the second barcode, wherein the second transmission information is generated by the peer device based on a processing result of the first transmission information.

2. The computer-implemented method of claim 1, wherein the device control information is used to perform at least one of the following: controlling a working status parameter of the peer device, and performing a specified function operation.

3. The computer-implemented method of claim 1, wherein the communication control information is used to notify the peer device of at least one of a current progress or a subsequent procedure of information exchange.

4. The computer-implemented method of claim 1, wherein the second transmission information comprises at least one of device control information or communication control information.

5. The computer-implemented method of claim 4, wherein the method further comprises at least one of:

changing a working status parameter of a local device, or performing a specified function operation based on the device control information in the second transmission

information; and

determining a current progress of information exchange with the peer device, or performing a subsequent procedure of the information exchange with the peer device based on the communication control information in the second transmission information.

6. The computer-implemented method of claim 1, wherein the method further comprises: transmitting a prompt signal after communication with the peer device ends.

7. The computer-implemented method of claim 1, wherein the peer device comprises a payee device and the second barcode is scanned by a payer device.

8. The computer-implemented method of claim 7, wherein generating the first barcode comprises: rendering payer information comprising payer account information into a payment barcode.

9. The computer-implemented method of claim 8, wherein scanning the second barcode comprises: scanning a payment result barcode displayed by the payee device, to obtain a payment result comprised in the payment result barcode, wherein the payment result is sent by a payment server to the payee device after the payment server makes a payment from a payer account to a payee account based on a payment request comprising the payer account information.

10. The computer-implemented method of claim 9, wherein the scanning the payment result barcode displayed by the payee device comprises:

starting to scan the payment result barcode after the payment barcode is displayed for a predetermined display time.

11. The computer-implemented method of claim 9, wherein the scanning the payment result barcode displayed by the payee device, to obtain the payment result comprised in the payment result barcode comprises:

determining whether the payer device can communicate with the payment server; and

in response to determining that the payer device cannot communicate with the payment server, scanning the payment result barcode displayed by the payee device, to obtain the payment result comprised in the payment result barcode.

12. The computer-implemented method of claim 11, wherein in response to determining that the payer device cannot communicate with the payment server, the payer information further comprises communication control information instructing to return the payment result, wherein the communication control information is used to instruct the payee device to generate and display the payment result barcode.

13. The computer-implemented method of claim 10, wherein the method further comprises:

prior to the scanning a payment result barcode displayed by the payee device, scanning a waiting process control barcode displayed by the payee device, and at least one of the following: changing a working status parameter of the payer device, or performing a specified function operation based on device control information comprised in the waiting process control barcode.

14. The computer-implemented method of claim 13, wherein the device control information comprises at least one of the following: adjusting screen brightness and adjusting a camera status.

15. An apparatus for barcode-based communication, the apparatus comprising a plurality of modules configured to perform the computer-implemented method of any one of claims 1 to 14.