CLAIMS

What is claimed is:

1. A task processing system, the system comprising a first intelligent device and a second intelligent device;

the first intelligent device being configured to generate a target processing task based on a target object, generate a first identification code corresponding to the target object based on the target processing task, and display the first identification code to the second intelligent device;

the second intelligent device being configured to obtain the first identification code through scanning, generate a task execution instruction corresponding to the target processing task based on the first identification code when first verification on the first identification code succeeds, establish a Bluetooth connection channel with the first intelligent device by using a Bluetooth device, and send the task execution instruction to the first intelligent device based on the Bluetooth connection channel; and

the first intelligent device being further configured to receive the task execution instruction by using the Bluetooth connection channel, parse the task execution instruction to determine second attribute information of the second intelligent device and attribute information that is of an object value corresponding to the target object and that is obtained from the second intelligent device, perform second verification on the second attribute information and the attribute information that is of the object value corresponding to the target object and that is obtained from the second intelligent device, to generate a second verification result, and process the target processing task based on the object value when the second verification succeeds,

wherein the second attribute information includes a receiving name of the second intelligent device receiving the object value corresponding to the target object and a digital certificate obtained from a third-party authentication authority.

2. The task processing system according to claim 1, wherein the first intelligent

device includes a first processing module and a first verification module;

the first verification module is configured to generate the target processing task based on the target object, and send the target processing task to the first processing module; and

the first processing module is configured to receive the target processing task, generate the first identification code corresponding to the target object based on the target processing task, and display the first identification code to the second intelligent device, wherein the first identification code includes first attribute information of the first intelligent device and a Bluetooth address of the first intelligent device.

3. The task processing system according to claim 1, wherein the first intelligent device includes a first processing module and a first verification module, and the second intelligent device includes a second processing module and a second verification module;

the first verification module is configured to generate the target processing task based on the target object, and send the target processing task to the first processing module;

the first processing module is configured to receive the target processing task, generate the first identification code corresponding to the target object based on the target processing task, and display the first identification code to the second intelligent device;

the second processing module is configured to obtain the first identification code through scanning, and send the first identification code to the second verification module; and

the second verification module is configured to parse the first identification code, perform first verification based on a parsing result of parsing the first identification code, and send a verification result of the first verification to the second processing module when the first verification succeeds.

4. The task processing system according to claim 3, wherein the second processing

module is further configured to establish a pairing relationship with the first processing module based on a Bluetooth address of the first intelligent device, to establish the Bluetooth connection channel.

5. The task processing system according to claim 3, wherein the second verification module is configured to establish a pairing relationship with the first verification module based on a Bluetooth address of the first intelligent device, to establish the Bluetooth connection channel.

6. The task processing system according to claim 3, wherein the second verification module is further configured to determine first attribute information of the first intelligent device and a Bluetooth address of the first intelligent device based on the parsing result of parsing the first identification code, perform first verification on the first attribute information and the Bluetooth address to generate a first verification result, and send the first verification result to the second processing module when the first verification succeeds,

wherein the first attribute information includes a receiving name of the first intelligent device receiving an object value corresponding to the target object and a digital certificate obtained from a third-party authentication authority; and

wherein the second processing module is further configured to determine processing information of the target object based on the first attribute information, generate the task execution instruction corresponding to the target processing task based on the processing information, and send the task execution instruction to the first processing module based on the Bluetooth connection channel.

7. The task processing system according to any one of claims 2 to 6, wherein the first processing module is further configured to receive the task execution instruction by using the Bluetooth connection channel, and send the task execution instruction to the first verification module;

the first verification module is further configured to parse the task execution

instruction to determine second attribute information of the second intelligent device and attribute information that is of the object value corresponding to the target object and that is obtained from the second intelligent device, perform second verification on the second attribute information and the attribute information that is of the object value corresponding to the target object and that is obtained from the second intelligent device, to generate a second verification result, and return the second verification result to the first processing module when the second verification succeeds;

wherein the second attribute information includes a receiving name of the second intelligent device receiving the object value corresponding to the target object and a digital certificate obtained from the third-party authentication authority; and

wherein the first processing module is further configured to process the target processing task based on the object value when the second verification succeeds.

8. The task processing system according to claim 7, wherein the second processing module is further configured to:

determine a number of object values corresponding to the target object and a verification code for processing the object value based on the receiving name of the first intelligent device receiving the object value corresponding to the target object and the digital certificate obtained from the third-party authentication authority; and

obtain the object value corresponding to the target object based on the number of object values and the verification code, generate an object value processing request based on the object value corresponding to the target object, and send the object value processing request to the second verification module; and

wherein the second verification module is further configured to generate an object value processing instruction based on the object value processing request, and send the object value processing instruction to the second processing module.

9. The task processing system according to claim 8, wherein the second verification module is further configured to generate an encrypted object value processing instruction based on the object value processing request, and send the

encrypted object value processing instruction to the second processing module.

10. The task processing system according to claim 9, wherein the first processing module is further configured to receive the second verification result, determine the object value corresponding to the target object in the task execution instruction, and store the object value corresponding to the target object in the first intelligent device; and

the first intelligent device is configured to complete the target processing task when successfully receiving the object value corresponding to the target object.

11. The task processing system according to claim 10, wherein the first processing module is further configured to process the target processing task based on the second verification result generated based on the task execution instruction, and return a processing result to the second processing module by using the Bluetooth connection channel.

12. The task processing system according to any one of claims 3 to 11, wherein the first processing module and the second processing module each include a trusted execution environment module, and the first verification module and the second verification module each include a secure element.

13. The task processing system according to any one of claims 1 to 11, wherein the target object includes a commodity, and the target processing task includes a payment task.

14. A task processing method, applied to a first intelligent device and a second intelligent device, and comprising:

generating, by the first intelligent device, a target processing task based on a target object, generating a first identification code corresponding to the target object based on the target processing task, and displaying the first identification code to the second

intelligent device;

obtaining, by the second intelligent device, the first identification code through scanning, generating a task execution instruction corresponding to the target processing task based on the first identification code when first verification on the first identification code succeeds, establishing a Bluetooth connection channel with the first intelligent device by using a Bluetooth device, and sending the task execution instruction to the first intelligent device based on the Bluetooth connection channel; and

receiving, by the first intelligent device, the task execution instruction by using the Bluetooth connection channel, parsing the task execution instruction to determine second attribute information of the second intelligent device and attribute information that is of an object value corresponding to the target object and that is obtained from the second intelligent device, performing second verification on the second attribute information and the attribute information that is of the object value corresponding to the target object and that is obtained from the second intelligent device, to generate a second verification result, and processing the target processing task based on the second verification result when the second verification succeeds,

wherein the second attribute information includes a receiving name of the second intelligent device receiving the object value corresponding to the target object and a digital certificate obtained from a third-party authentication authority.

15. The task processing method according to claim 14, wherein the first identification code includes first attribute information of the first intelligent device and a Bluetooth address of the first intelligent device; and

correspondingly, the generating the task execution instruction corresponding to the target processing task based on the first identification code when the verification on the first identification code succeeds includes:

parsing, by the second intelligent device, the first identification code to determine the first attribute information of the first intelligent device and the Bluetooth address of the first intelligent device, performing first verification on the first attribute information and the Bluetooth address to generate a first verification result, and generating the task

execution instruction corresponding to the target processing task based on the first verification result when the first verification succeeds.

16. The task processing method according to claim 15, wherein the second intelligent device establishes a pairing relationship with the first intelligent device based on a Bluetooth address of the first intelligent device, to establish the Bluetooth connection channel.

17. The task processing method according to claim 16, wherein the first attribute information includes a receiving name of the first intelligent device receiving an object value corresponding to the target object and a digital certificate obtained from a third-party authentication authority; and

correspondingly, the generating, by the second intelligent device, the task execution instruction corresponding to the target processing task based on the first attribute information in the first identification code, and sending the task execution instruction to the first intelligent device based on the Bluetooth connection channel includes:

determining, by the second intelligent device based on the first attribute information, the receiving name of the object value corresponding to the target object and the digital certificate obtained from the third-party authentication authority, generating the task execution instruction corresponding to the target processing task based on the receiving name of the object value corresponding to the target object and the digital certificate obtained from the third-party authentication authority, and sending the task execution instruction to the first intelligent device based on the Bluetooth connection channel.

18. A task processing apparatus, disposed in a first intelligent device, the first intelligent device including a first processing module and a first verification module;

the first verification module being configured to determine a target object, and generate a target processing task based on the target object;

the first processing module being configured to generate a first identification code corresponding to the target object based on the target processing task, and establish a Bluetooth connection channel with a second intelligent device by using a Bluetooth device; and

display the first identification code to the second intelligent device, and receive, by using the Bluetooth connection channel, a task execution instruction generated by the second intelligent device based on the first identification code;

the first verification module being further configured to parse the task execution instruction to determine second attribute information of the second intelligent device and attribute information that is of an object value corresponding to the target object and that is obtained from the second intelligent device, perform verification on the second attribute information and the attribute information that is of the object value corresponding to the target object and that is obtained from the second intelligent device, to generate a verification result, and return the verification result to the first processing module when the verification succeeds,

wherein the second attribute information includes a receiving name of the second intelligent device receiving the object value corresponding to the target object and a digital certificate obtained from a third-party authentication authority; and

the first processing module being further configured to process the target processing task based on the object value when the verification succeeds.

19. A task processing apparatus, disposed in a second intelligent device, the second intelligent device including a second processing module and a second verification module;

the second processing module being configured to obtain, through scanning, a first identification code displayed by a first intelligent device for a target processing task, the target processing task including a target object;

the second verification module being configured to parse the first identification code, and verify the first identification code based on a parsing result of parsing the first identification code;

the second processing module being further configured to establish a Bluetooth connection channel with the first intelligent device by using a Bluetooth device when the verification succeeds, and generate a task execution instruction based on the first identification code; and

the second processing module being further configured to send the task execution instruction to the first intelligent device by using the Bluetooth connection channel, and receive the target processing task processed by the first intelligent device based on the task execution instruction.

20. A computing device, comprising:

a memory and a processor,

the memory being configured to store computer-executable instructions, the processor being configured to execute the computer-executable instructions, and the processor executing the computer-executable instructions to implement the steps of the task processing method according to any one of claims 14 to 17.

21. A computer-readable storage medium, the computer-readable storage medium storing computer-executable instructions, and the instructions being executed by a processor to implement the steps of the task processing method according to any one of claims 14 to 17.

22. A computer program, when the computer program is executed in a computer, the computer being enabled to perform the steps of the task processing method according to any one of claims 14 to 17.