CLAIMS

1. A method for processing control information, applicable to a first device, the method comprising:

simulating a controller on the first device based on a target drive file of the first device;

receiving control information transmitted by a second device, the control information being used for controlling the first device to perform a corresponding operation;

storing the control information as input information of the controller into a storage space of the target drive file;

during running an application, invoking a device data read interface based on execution logic of the application, to send a data read instruction to an input device drive module of the first device, wherein the data read instruction instructs to obtain the input information of the controller;

sending an obtaining request to the target drive file in response to receiving the data read instruction through the input device drive module, wherein the obtaining request instructs to obtain the control information from the target drive file; and

receiving the control information from the target drive file through the input device drive module, and returning the control information to the application;

wherein in response to receiving the obtaining request, the target drive file executes read logic of the target drive file, reads the control information from the storage space of the target drive file, and returns the control information to the input device drive module.

2. The method of claim 1, wherein simulating the controller on the first device based on the target drive file of the first device comprises:

running the target drive file;

transmitting a device creation instruction to the target drive file, the device creation instruction being used for instructing to create a controller in an operating system of the first device; and

creating, based on device creation logic in the target drive file and device information carried by the device creation instruction, a controller corresponding to the device information in the operating system of the first device.

3. The method of claim 2, wherein creating, based on the device creation logic in the target drive file and the device information carried by the device creation instruction, the controller

corresponding to the device information in the operating system of the first device comprises:

invoking a device creation interface of the first device according to the device creation instruction, and creating the controller corresponding to the device information in the operating system of the first device;

transmitting the device information and a storage format of input information of the controller to a device management module of the first device; and

transmitting a notification message to the input device drive module of the first device, the notification message being used for notifying that the controller is created in the operating system of the first device.

4. The method of claim 1, wherein storing the control information as the input information of the controller into the storage space of the target drive file comprises:

transmitting a storage instruction to the target drive file, the storage instruction being used for instructing to store the control information as the input information of the controller; and

executing storage logic in the target drive file according to the control information carried in the storage instruction, the storage logic being used for indicating a storage process of the input information of the controller.

5. The method of claim 4, wherein executing the storage logic in the target drive file according to the control information carried by the storage instruction comprises:

storing the control information into the storage space of the target drive file according to the storage format of the input information of the controller.

6. The method of claim 1, wherein there are a plurality of pieces of control information, and in response to receiving the obtaining request, the target drive file executes the read logic of the target drive file, sequentially reads each piece of the control information from the storage space of the target drive file based on storage information of the plurality of pieces of control information, and returns the each piece of the control information to the input device drive module.

7. The method of claim 1, further comprising: before receiving the control information transmitted by the second device,

establishing a connection to the second device when a connection request from the second device is received; and

collecting first multimedia data displayed on the first device, and transmitting the first multimedia data to the second device.

8. The method of claim 1, wherein receiving control information transmitted by the second device comprises:

receiving control information corresponding to a triggered operation control among a plurality of operation controls displayed on the second device.

9. An apparatus for processing control information, applicable to a first device, the apparatus comprising:

a simulator module, configured to simulate a controller on the first device based on a target drive file of the first device, wherein the target drive fie is used for sending control information to an input device drive module of the first device;

a receiving module, configured to receive the control information transmitted by a second device, the control information being used for controlling the first device to perform a corresponding operation;

a storage module, configured to store the control information as input information of the controller into a storage space of the target drive file;

a module, configured to: during running an application, invoke a device data read interface based on execution logic of the application, to send a data read instruction to the input device drive module of the first device, wherein the data read instruction instructs to obtain the input information of the controller;

an obtaining module, configured to send an obtaining request to the target drive file in response to receiving the data read instruction through the input device drive module, wherein the obtaining request instructs to obtain the control information from the target drive; and

another module, configured to: receive the control information from the target drive file through the input device drive module, and return the control information to the application,

wherein in response to receiving the obtaining request, the target drive file executes read logic of the target drive file, reads the control information from the storage space of the target drive file, and returns the control information to the input device drive module.

10. The apparatus of claim 9, wherein the simulator module comprises:

a running unit, configured to run the target drive file;

a sending unit, configured to transmit a device creation instruction to the target drive file, the device creation instruction being used for instructing to create a controller in an operating system of the first device; and

a creation unit, configured to create, based on device creation logic in the target drive file and device information carried by the device creation instruction, a controller corresponding to the device information in the operating system of the first device.

11. The apparatus of claim 9, wherein the storage module is further configured to transmit a storage instruction to the target drive file, the storage instruction being used for instructing to store the control information as the input information of the controller; and execute storage logic in the target drive file according to the control information carried by the storage instruction, the storage logic being used for indicating a storage process of the input information of the controller.

12. An electronic device, comprising a processor and a memory, the memory storing at least one instruction which, when loaded and executed by the processor, causing the processor to perform the method for processing control information of any one of claims 1 to 8.

13. A computer-readable storage medium having stored therein at least one instruction which, when loaded and executed by a processor, causes the processor to perform the method for processing control information of any one of claims 1 to 8.