CLAIMS

1. An artificial intelligence, AI system, wherein the AI system comprises a host and an accelerator card, wherein

the host is configured to: obtain an AI task and first data corresponding to the AI task, wherein the first data is in a first format; and

based on an operator type in the AI task, determine that the first data needs format conversion, and send a first instruction to the accelerator card, the first instruction including a first mapping relationship, the first mapping relationship for converting data in the first format into data in a second format; and

the accelerator card is configured to: convert the first data into the second data in second format according to the first instruction; and

execute the AI task by using the second data.

2. The AI system according to claim 1, wherein the AI task comprises a second instruction, and the second instruction instructs to execute the AI task by using data in the second format; and

the host is configured to send the first instruction to the accelerator card according to the second instruction.

3. The AI system according to claim 2, wherein

the host is further configured to establish a correspondence between the operator type comprised in the AI task and the second format.

4. The AI system according to any one of claims 1 to 3, wherein

the AI system is located in a public cloud.

5. The AI system according to claim 1, wherein

the AI system processes at least one AI framework, and each of the at least one AI framework supports data in the first format.

6. The AI system according to claim 1, wherein

the host further stores a second mapping relationship, wherein the second mapping relationship is used for converting data in the first format into data in a third format.

7. The AI system according to claim 1, wherein

the host further stores a third mapping relationship, wherein the third mapping relationship is

used for converting data in a fourth format into data in the second format.

8. The AI system according to claim 1, wherein

the host is further configured to: obtain format information of the first data; and

determine, based on the format information, that the first data is in the first format.

9. The AI system according to claim 1, wherein

the host is further configured to output prompt information, wherein the prompt information indicates a user to enter data in the first format.

10. A data processing method, wherein the method is applied to a host in an artificial intelligence, AI system, and the method comprises:

obtaining an AI task and first data corresponding to the AI task, wherein the first data is in a first format; and

based on an operator type in the AI task, determining that the first data needs format conversion, and sending a first instruction to an accelerator card, the first instruction for instructing the accelerator card to convert the first data into second data in a second format, wherein the first instruction includes a first mapping relationship, the first mapping relationship for converting data in the first format into data in the second format.11. The method according to claim 10, wherein the AI task includes a second instruction, and the second instruction instructs to execute the AI task by using data in the second format; and

wherein sending the first instruction to the accelerator card comprises sending the first instruction to the accelerator card according to the second instruction.

12. The method according to claim 10, further comprising:

establishing a correspondence between the operator type comprised in the AI task and the second format.

13. The method according to any one of claims 10 to 12, wherein the host further stores a second mapping relationship, wherein the second mapping relationship is used for converting data in the first format into data in a third format.

14. The method according to claim 10, wherein the host further stores a third mapping relationship, wherein the third mapping relationship is used for converting data in a fourth format into data in the second format.

15. The method according to claim 10, further comprising:

obtaining format information of the first data; and

determining, based on the format information, that the first data is in the first format.

16. A data processing apparatus, wherein the data processing apparatus is located in an artificial intelligence, AI, system, the data processing apparatus comprising:

an obtaining module, configured to obtain an AI task and first data corresponding to the AI task, the first data being in a first format; and

a transmission module, configured to, based on an operator type in the AI task, determine that the first data needs format conversion, and send a first instruction to an accelerator card, the first instruction for instructing the accelerator card to convert the first data into second data in a second format, wherein the first instruction includes a first mapping relationship, the first mapping relationship for converting data in the first format into data in the second format.

17. A computer apparatus, wherein the computer apparatus comprises a memory and a processor, the memory is configured to store program code, and the processor is configured to process the program code to perform the data processing method according to any one of claims 10 to 15.