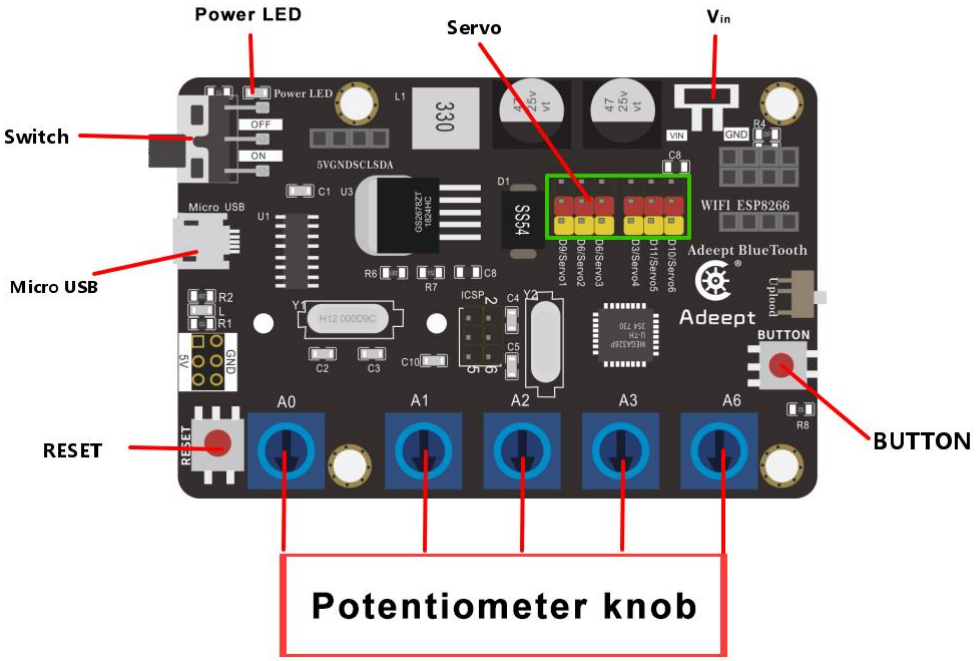
Introduction of Adeept Arm Drive Board

The Adeept Arm Drive Board is the main component of the Robotic Arm. Similar to the Arduino UNO development board, it is also an easy-to-use open source electronic prototyping platform, including the hardware part and the software part (Arduino IDE). The Adeept Arm Drive Board is mainly composed of a microcontroller (MCU), a universal input/output interface, etc. You can understand it as a microcomputer motherboard. We will introduce the Adeept Arm Drive Board in detail.



【1】Power LED：

Power LED is used to indicate the power status of the system. The LED is on, indicating that the system is powered on and ready to run; the LED is off, indicating that the system is not powered on.

【2】Servo：

It is the pin interface of Servo.

【3】V_{in}（6-24V）：

It is the pin interface for external power supply. Use 6-24V external power supply to power the Adeept SmartHub development board.

【4】RESET：

Restarting the Adeept SmartHub development board.

【5】Switch：

When using Vin (6-24V) as an external power supply, Switch can control the OFF and ON of the Adeept SmartHub development board.

【6】Micro USB：

It is used to connect the micro connector of the micro USB data cable, and the USB connector of the micro USB data cable is connected to the USB interface of the computer, uploading program and serial monitoring between the Adeept SmartHub development board and the computer.

【7】Potentiometer knob：

Potentiometer knob has five buttons: A0, A1, A2, A3, and A6. By rotating these buttons, you can control the movement of the Robotic Arm.

In the following tutorials, we will combine the application of various components to further learn the practical application of the Adeept Arm Drive Board.