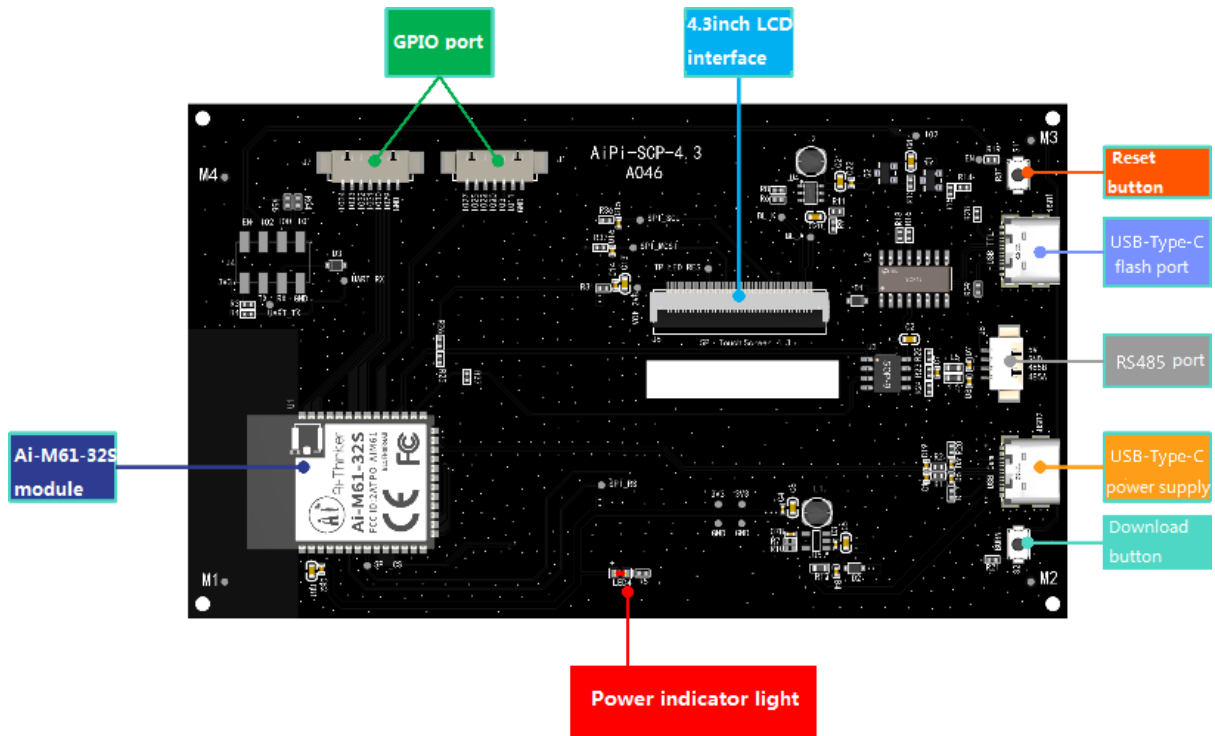# AiPi-SCP-4.3 Test Firmware Documentation

AiPi-SCP-4.3 is a screen driver development board specially designed by Ai-Thinker open-source team for Ai-M61-32S. It supports 4.3-inch SPI display, USB to Cam interface, and 485 interface.

This project is to realize the function of the intelligent instrument panel on the 4.3-inch display screen, which can realize the display content.

1. Firmware flashing

1).Serial port wiring

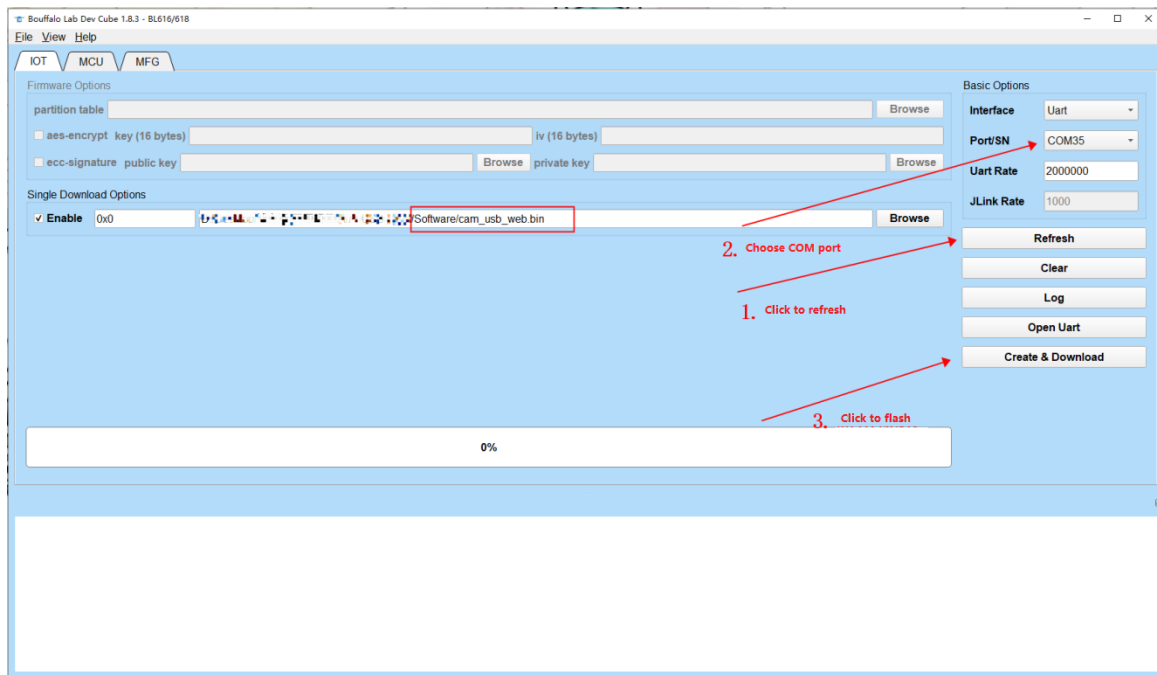| TTL tool	AiPi
3.3V	3.3V
TXD	RX
RXD	TX
GND	GND

Or use a USB-Type-C cable to connect to USB1

2). Flashing

Burning tool download：click to download

Firmware address：click to jump

After the burning tool starts burning, press and hold the "download button" to enter the burning mode. The operation steps are as follows:

Note: After the firmware burning is completed, you need to press the reset button once before the program can run.

2. Usage steps

AiPi-SCP-4.3 Dashboard Firmware Demo

1). Instruction manual

There are three interfaces in the instrument panel, which are driving information interface, battery information interface, and lock interface.

2). Operating Instructions

AiPi-SCP-4.3 is equipped with two buttons, one is a reset button and the other is a download button. In this example, S2 (download button) is used as the button for interface switching. Initially, the driving information interface is displayed by default.

Driving Information Interface:
It can be used as a real-time updating interface for driving information. Display speed, maximum speed, average speed and other information.

Battery interface:

It can be used as a real-time updating interface for battery power or fuel information. Display information such as remaining power, driving distance, charging time, etc.

lock interface:

Interface that can be used as a lock screen.