



Genio 350 Evaluation Kit

Quick Start Guide

Version: 1.0
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Version History

Version	Date	Author	Description
1.0	2022-04-12	MTK	First Release

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1 Packing list

In box items		Qt'y	Note
1	Genio 350 EVK main board	1	
2	AP1302 ISP board	2	Camera Board
3	AR0430 IAS sensor module	2	Camera Module
4	Mini-SAS cable	2	Camera Cable
5	TFT LCM MODULE 7 LCM+TP	1	
6	FPC SSBE5 i350EVK	1	LCM FPC Cable
7	12V AC adaptor	1	
8	AC cable	1	
9	Plastic Pillars	4	
10	Screw	4	

Genio 350 EVK Document

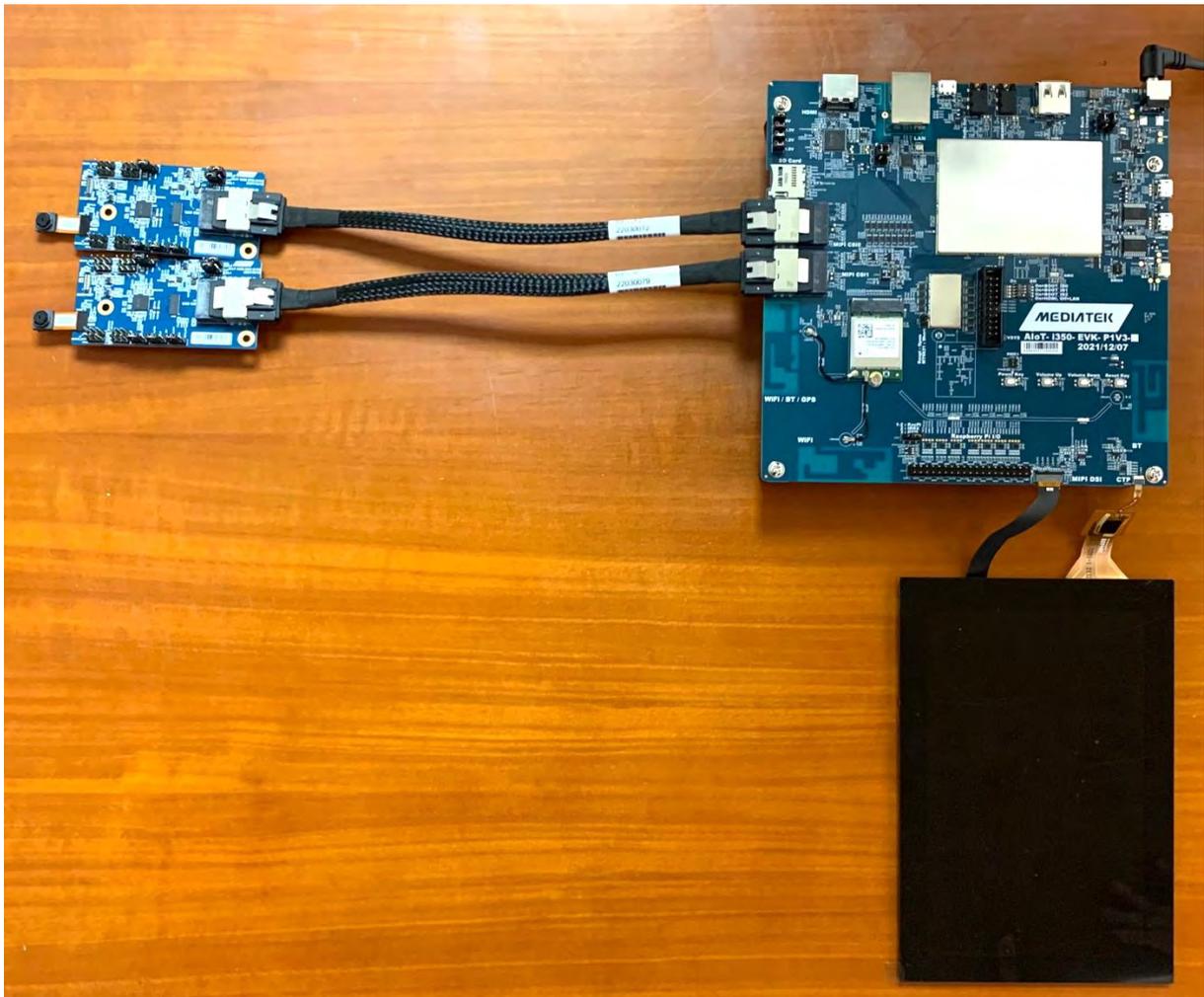


<http://download.mediatek.com/aiot/G350QSG>

2 Genio 350-EVK System Setup

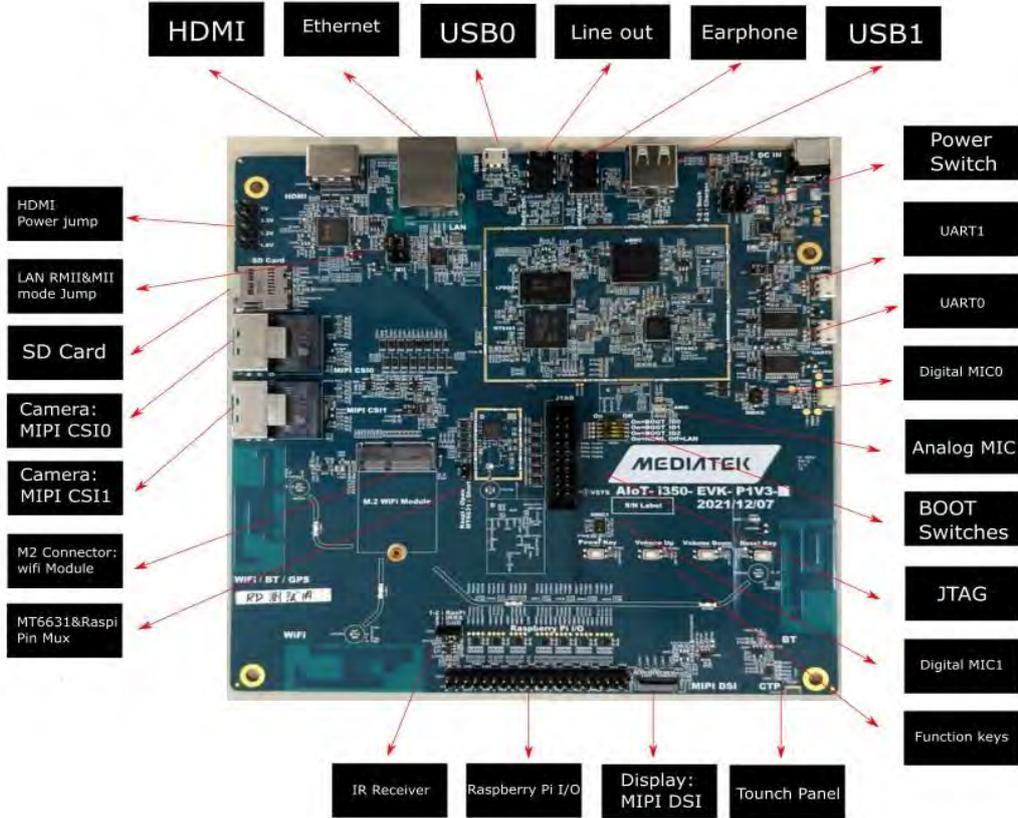
Please refer below pictures for entire assembled Genio 350 EVK, the entire peripherals include:

- 1: LCM Module with Touch Panel * 1 sets
- 2: Camera double board * 2 sets
- 3: Connectivity module with 2 antennas * 1 sets
- 4: Power Adapter * 1 sets



3 Genio 350-EVK Board overview

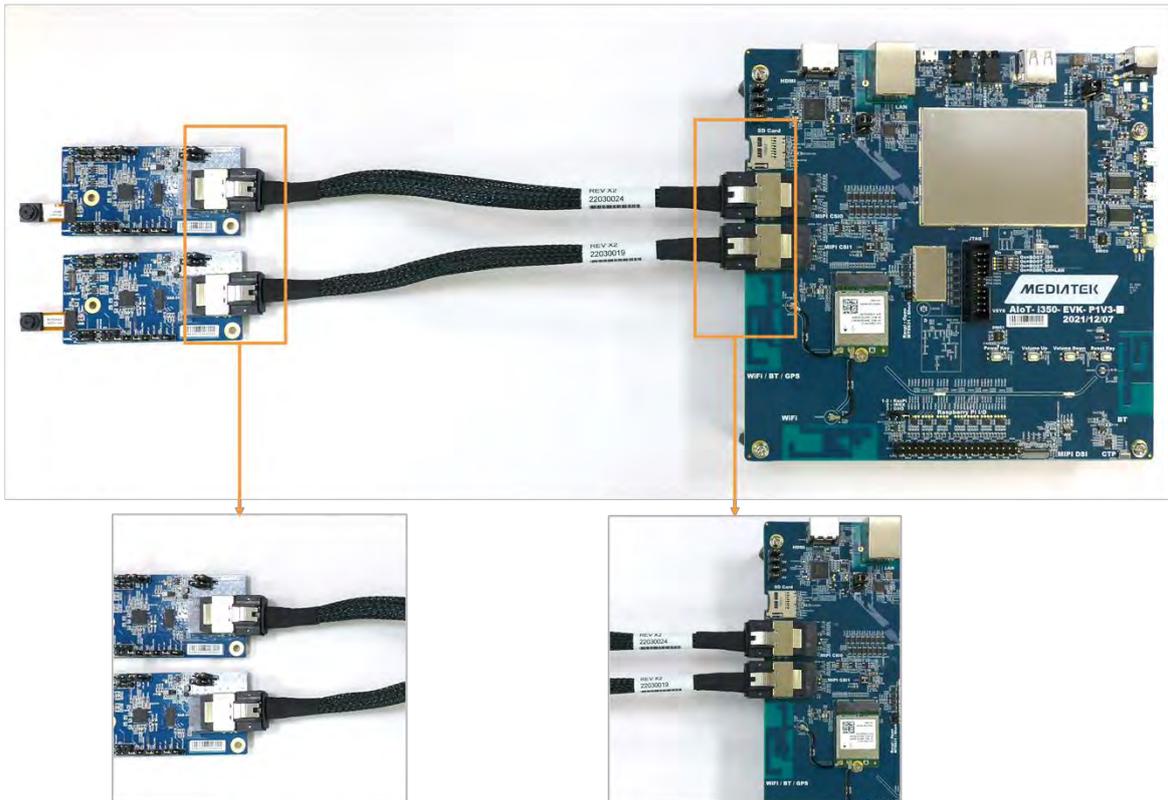
Please refer below picture for IO function overview of EVK.



4 Camera board installation

Install procedure:

Insert Mini-SAS Cable into Genio 350 EVK mainboard and Camera board corresponded connector.
Connector locations can be referred to the marks in the picture as below.

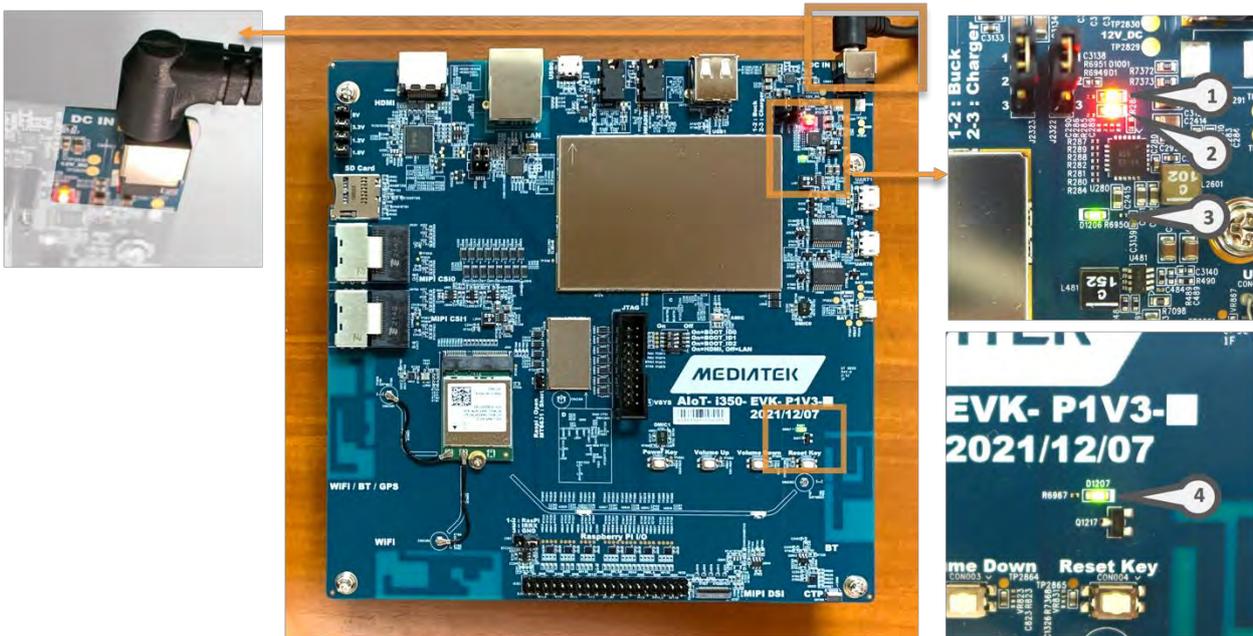


 Mini-SAS cable is tightened down well, **you should hear "click" sound.**

5 DC Jack installation

Install procedure:

Plug Adapter into DC Jack connector.



⚠ After the EVK power is turned on, pay attention to the LED indicator is lighted on. In normal condition, there are total 4 LED indicators will light, please refer the marks of above picture.

6 LCM/Touch Panel installation (1/2)

Install procedure:

Step1: Remove paper tape of the LCM/Touch Panel to release 2 FPC cables, as picture 1.



[picture 1]

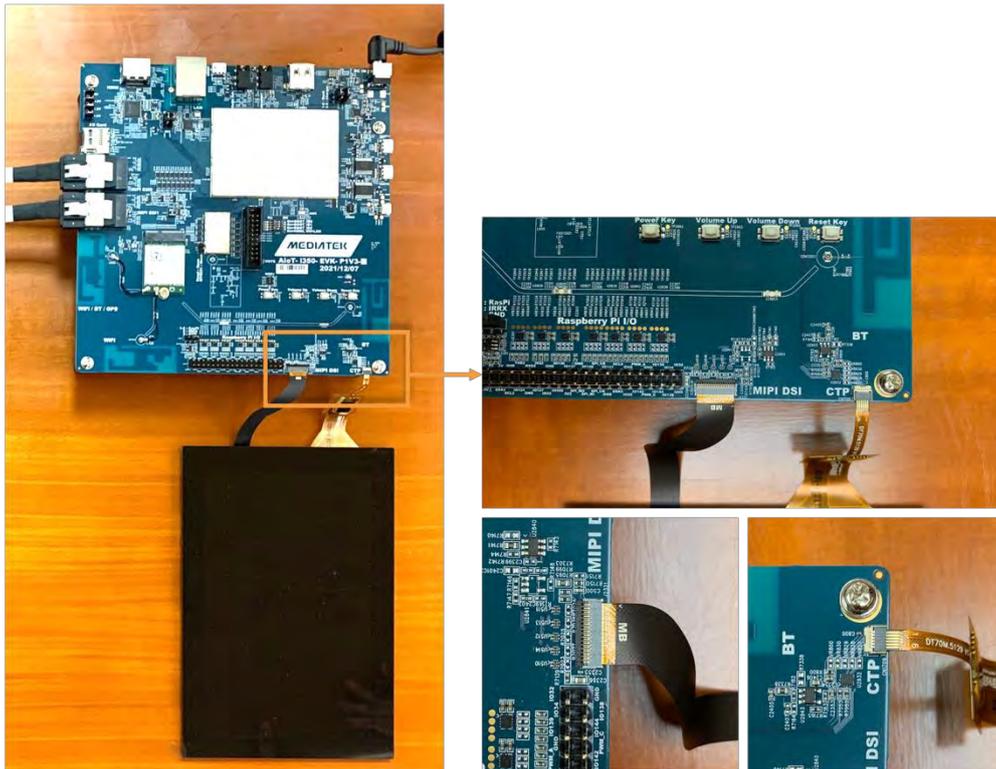
Step2: Insert the LCM FPC cable one terminal into the FPC connector of the LCM/Touch Panel, as picture 2. After cable inserted, the FPC connector must be pressed down firmly.



[picture 2]

7 LCM/Touch panel installation (2/2)

Step3: Insert Touch Panel cable and LCM FPC cable into the FPC connector of the mainboard, please refer picture 3 for cable position and direction. After cable inserted, the FPC connector must be pressed down firmly.



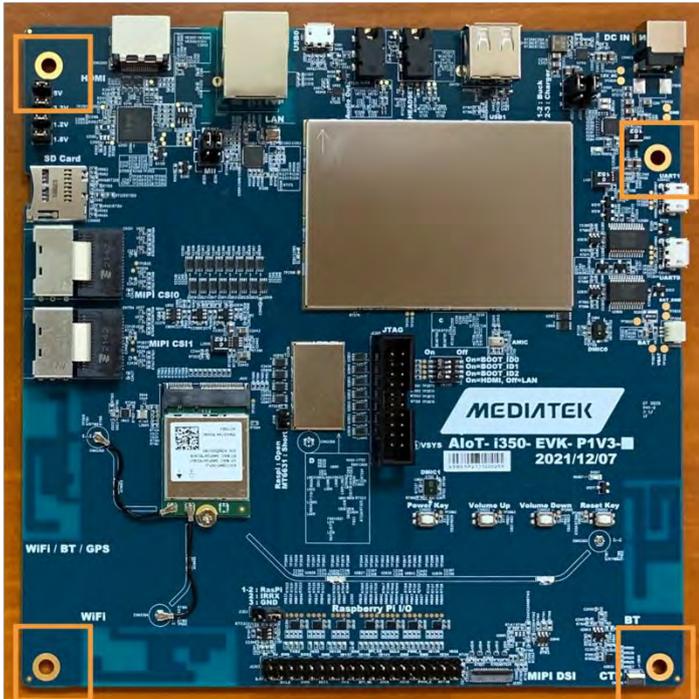
[picture 3]

8 Bracing frame installation

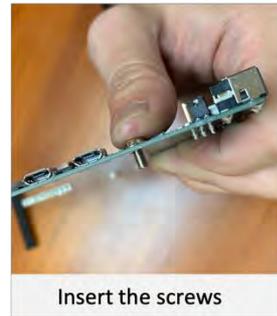
Install procedure:

Step1: Insert the screws into the screw holes on the front of the Genio 350EVK mainboard.

Step2: Tightening the Plastic Pillars from the back of the mainboard.



▲
screw holes



Insert the screws



Tightening the Plastic Pillars

Please refer below picture for bracing frame assembled EVK



Assembled Finished

9 How to Power Up The System

After assembled all peripherals, now you can power on the EVK and start evaluation.

Step1: Connect UART0 to the computer via a USB cable. (If you want to see the logs.)

Step2: Plug in the DC 12V power adapter.

Step3: You will see the screen is shown on HDMI display and some trace logs in UART0.

