AiPi-ESL-2.13

AiPi-ESL-2.13 is an ink electronic screen lable(E-ink tag) designed by Ai-Thinker open source team using PHY6222 Bluetooth chip. It adopts very low power consumption design, average power consumption of 30 uA, supports button battery for power supply, and displays content through mini program configuration and transmits to the screen.

Front:



Back:



Burning method:

AiPi-ESL-2.13 connect to TTL in the following table: -means no wiring					
AiPi-ESL-2.13	TTL				
GND	GND				
ТМ	5V				
TX	RX				
RX	TX				
RST	-				
VDD3V3	3V3				
GND1	GND or -				

Please remove the button battery for safety reasons before burning



Open SocKit, configure follow below image, connect successful it will showSerial opened! !

oc61						-		-	
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Select the corresponding firmware for burning, and the factory firmware already has the default display content.

SoleNI				
Edit Settings Help lash_Writer RF_CMD	I RF_QuickSet Multi_PW	3.擦除	4.烧录	CUART Sutting
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(hwp/h)		TEN_PER		UNRY BX ASEEL: by new wode:
700[18]	LBD(149)	TID[34]	CheckID	Receive image request! Send faces surrecefull Multime to receive charitons
MID(16)	SID(00)	IN(12)	CAMPAGE	Send checksus successfully!
MAC[0]	0EV1[32]	66Y3[32]	THE REAL PROPERTY.	UNET EX ASCII: checksum is: @x0050cfa700x>>: Receive #DE1
				Receive >>: successfull
Single \/ Batch \				
Mar: Path	Lines (e.g. 1-5, 0	Repeat 🗌 Reloa	d Gerfley	Send opbin successfully!
				DART RX ASCII by Nex media: Becalve image request:
				Send image successfull Waiting to receive checksum
				Send checkson successfully!
				Receive BOX
				Write images warmetsfully? 5.烧录成功
Sommand:		- CHEX Good	ClearBut	TrmeTic AutoSave Current log file Size kin Open Mode ASCII - One
INPO: Port: COM17, I	Saudrate: 115200, StopBits: 1, Pa	rity: No		V3/

After burning, pull out TM (access to the TM will be in burn mode) , then press the reset button.

Direction for use

1. Scan QR code

Use we hat to scan below QR code, click 电子标签配置(E-ink tag configure).



2. Wechat mini program page

Main interface for configure lable. in the box is the preview display effect, and below is the text information for the modifiable configuration.

<	标签配置		0
自定义标	签	图片标签	
安信 ³ AiPi	^{可科技有限公司} 小安派 -ESL-2.13 电子	子标签	
回 文字	安信	可科技有限公	司 >
 ① 文字 ① 文字 	安信	可科技有限公 小安)	司 〉 派 〉

3. Configure

Click on the text to enter the configuration item. By default, there are already three lines of text and location information. You can click the "Add Text"添加文字 button below to add the corresponding text. And click to configure进行配置. After the configuration is completed, click Confirm to modify确认修改.

<	标签配置		•
自定》	(柳葉	图片有黑	
麦	信可科技有限公司		
	小女派	400.400	
A	PI-ESL-2.13 电子	标金	
🗊 文字			
₿ \$ 7			
	87 M +H		
	配直坝		8
文字内容	安信可科技有限公司		
字体加粗		C	
字体大小		- 14	+
字体颜色	🥝 RE 🔿 118		
字体位置	左: -	20 +	
	E: -	10 +	
	确认修改		

4. Select deveice

After clicking the modification, click "Transfer Label data" and select ESL-0606, (the following number is the last two bytes of the MAC address, such as 01:02:03:04:05:06, ESL-0506, MAC address can be modified through AT instructions) to transfer the configured text information to the e-ink screen through Bluetooth.



5. Transmission

Transmission and refresh, the whole process is about 20 seconds, update success will have a pop-up prompt.



AT command to modifyMAC address

Burn compatible AT firmware, open serial port assistant, press the reset button to reset access normal at mode, (module after 5 seconds did not receive at instruction, will enter the low power mode, in the mode cannot be identified AT command until bluetooth connection again, so need to reset five seconds AT command configuration, input command timing, enter the low power time can also be modified by at instruction, specific reference at instruction set)

Power on and input **at+addr=00:11:22:33:44:55**, after reply **OK**, press reset button, then MAC address can be modify success.



After modified:

