

1 Introduction

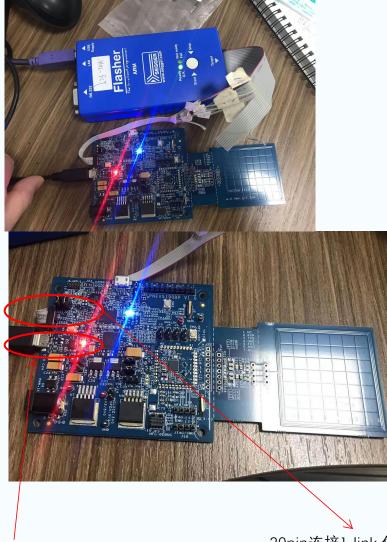
2

3 Introduction Introduction

4 Introduction

CYG Confidential

The demo model is PNEV5190BP build the environment



USB转Mirco连接电 脑 20pin连接J-link 仿真器

1.After download the FW,neither the FSDI_8.bin or FSDI_10.bin

» 系统(D:) » nxp » NxpNfcCockpit_v6.5.0.0 » firmware » Secondary_PN5190 » K8x

extra

名称

xtra

BootLoader_And_Nfcrdlib_SimplifiedAPI_EMVCo_Secondary_FSDI_8.bin BootLoader And Nfcrdlib SimplifiedAPI_EMVCo_Secondary_FSDI_10.bin

Nfcrdlib SimplifiedAPI EMVCo Secondary FSDI 8.nnc.bin

Nfcrdlib_SimplifiedAPI_EMVCo_Secondary_FSDI_10.nnc.bin

README.txt

2.When i open the NXP NFC Cockpit v6.5.0.0,the warning pollup as follo picture

I want to confirm whether the v2.1 can use or i must update the v2.03 or 2.F3



Alert	×
Current Firmware Version: r2.1 is old. Latest known version are : r2.03 or r2.F3. Please upgrade to Latest Firmware to avoir supported features. To do this click on Sec	
	確定
Ionitor	

[2022.04.27 10:07:50]:USER ALERTEEPROMService_PN5190:Current Firmware Version: r2.1 is old. Latest known version are : r2.03 or r2.F3.

Please upgrade to Latest Firmware to avoid any unusual behavior and enable the supported features. To do this click on Secure Upgrade button.

[2022.04.27 10:48:46]:INFO:ServiceFactory:uC FW Version: NNC_uC_VCOM_03.07.00 (Compiled on Jan 13 2022 10:19:30) [2022.04.27 10:48:47]:ALERT:BoardConnectionViewModel:Tx NonOverlapping is configured to Fix-Calibration [2022.04.27 10:48:54]:INFO:RegistersService_PN5190:Read Register SYSTEM_CONFIG@0x00. Value=0x00000001 3.1 have find the FW of 2.03 or 2.F3,but the file format .esfwu The SEGGER downloader can not loaddown the file format of .esfwu, do you have any other suggestion

∶nxp >	NxpNfcCockpit_v6.5.0.0 > firmware > PN5190_SFWU			
	^	へ 名称	修改日期	
		PN5190Firmware_2.03.esfwu	2021/8/12 16	
		PN5190Firmware_2.F3.esfwu	2021/8/12 16	
		ReadMe.txt	2021/8/30 15	

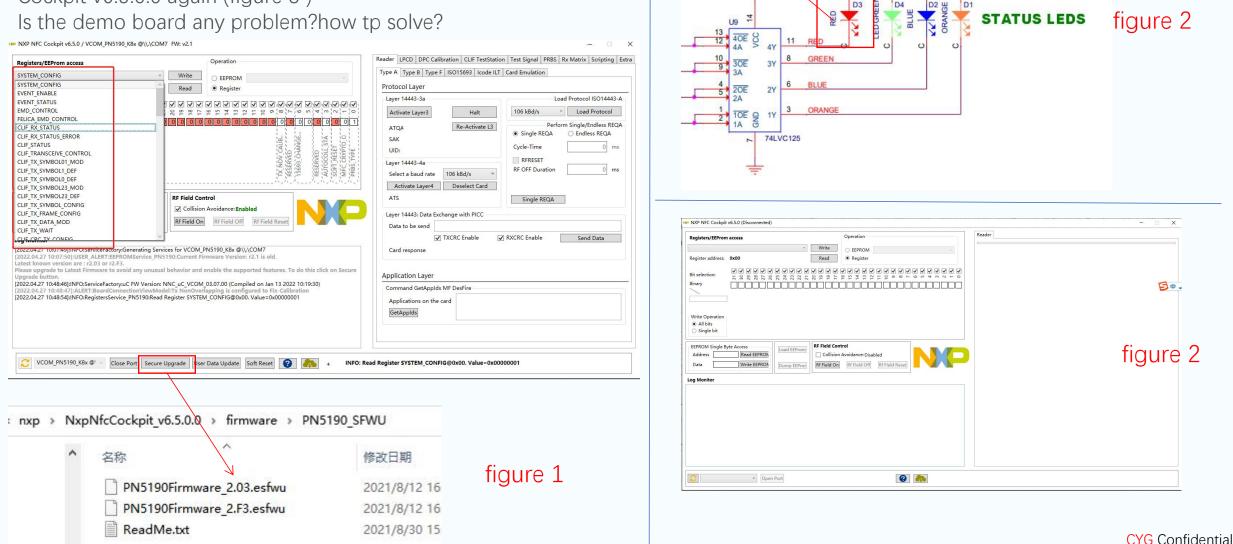
Registers/EEProm access		Operation	Reader LPCD DPC Calibration CLIF Testst	tation Test Signal PRBS Rx Matrix Scripting
SYSTEM_CONFIG	~) Writ	e CEPROM	Type A Type B Type F ISO15693 Icode	ILT Card Emulation
Register address: 0x00	Rea		Protocol Layer	
1717	ז גרו	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Layer 14443-3a	Load Protocol ISO14443-
Bit selection:			Activate Layer3 Halt	106 kBd/s V Load Protocol
	ead EEPRON	d Control Ulision Avoidance: Enabled Id On Rf Field Off Rf Field Reset		Perform Single/Endless REQA Single REQA Endless REQA Cycle-Time m RFRESET RF OFF Duration m Single REQA XCRC Enable Send Data
Desz.04.27 10:07:50]:USE Latest known version are : Please upgrade to Latest f Upgrade button. [2022.04.27 10:48:46]:INFO: [2022.04.27 10:48:47]:ALE	irmware to avoid any unusual behavio ServiceFactory:uC FW Version: NNC_uC_V RT:BoardConnectionViewModel:Tx Nor		Card response Application Layer Command GetApplds MF DesFire Applications on the card GetApplds	

4.Can this part of the instruction provide more detailed instructions for the operation of the instruction? For example, I want to use this module to communicate with a mobile phone that supports NFC, so I need to operate those commands to fulfill this requirement

5.The source FW file of the PNEV5190BP can offer?

Registers/EEProm access	Operation	Reader LPCD DPC Calibration CLIF TestStatio	on Test Signal PRBS Rx Matrix Scripting E
SYSTEM_CONFIG	V Write CEPROM	Type A Type B Type F ISO15693 Icode ILT	Card Emulation
YSTEM_CONFIG	Read Register	Protocol Laver	
VENT_ENABLE	Read Register		
VENT_STATUS		Layer 14443-3a	Load Protocol ISO14443-A
MD_CONTROL	20 20 11 11 11 11 11 11 11 11 11 11 11 11 11	Activate Layer3 Halt	106 kBd/s V Load Protocol
ELICA_EMD_CONTROL			Perform Single/Endless REQA
LIF_RX_STATUS		ATQA Re-Activate L3	Single REQA C Endless REQA
LIF_RX_STATUS_ERROR	NGE. NGE.	SAK	
LIF_STATUS		UID:	Cycle-Time 0 ms
LIF_TRANSCEIVE_CONTROL	TX NOV CALIB. TX NOV CALIB. 13693 CHANGE REGENVED REGENVED REGENTO		RFRESET
CLIF_TX_SYMBOL01_MOD	TX NG 15693 15693 15693 15693 15693	Layer 14443-4a	RF OFF Duration 0 ms
CLIF_TX_SYMBOL1_DEF	AL BE STATE	Select a baud rate 106 kBd/s ~	
CLIF_TX_SYMBOL0_DEF CLIF_TX_SYMBOL23_MOD	hat a	Activate Laver4 Deselect Card	
CLIF_TX_SYMBOL23_MOD			
CLIF TX SYMBOL CONFIG	RF Field Control	ATS	Single REQA
CLIF TX FRAME CONFIG	Collision Avoidance: Enabled	Layer 14443: Data Exchange with PICC	
CLIF TX DATA MOD	Rf Field On Rf Field Off Rf Field Reset		
CLIF TX WAIT		Data to be send	
CUE CREAT CONFIG	~	TXCRC Enable	RXCRC Enable Send Data
1022.04.27 10:07:50]:USER ALERT:EEPROMSe itest known version are : r2.03 or r2.F3. ease upgrade to Latest Firmware to avoid an pgrade button. 022.04.27 10:48:45]:INFO:ServiceFactory.uC FW 022.04.27 10:48:47]:ALERT:BoardConnection	rating Services for VCOM PN5190 (&& @\\COM7 ervice_PN5190:Current Firmware Version: r2.1 is old. ny unusual behavior and enable the supported features. To do this click on Secure V Version: NNC uC_VCM0. 03.07.00 (Compiled on Jan 13 2022 10:19:30) nViewNodelTX NonOverlapping is configured to Fix-Calibration S190:Read Register SYSTEM_CONFIG@0x00. Value=0x00000001	Card response Application Layer Command GetApplds MF DesFire Applications on the card GetAppldd	

6.Mention a problem.after use the Secure Upgrade the file pn5190_2.03.esfwu and pn5190_2.F3.esfwu (figure 1) The LED D3 is flashing(figure 2) ,and i can't connect the Cockpit v6.5.0.0 again (figure 3)



3V3 BRD

R3

180

2 R2 100

R1

2 180

R4

220

D3 is flashing

MCU_VDD