I-7231D FAQ

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Q1. How to create a CANopen slave with I-7231D and two I-7015?

A:

It is showed as below figure.



I-7231D

ıry	
Object 1A02 (TxPDO 3 COB-ID 381)	Object 1A03 (TxPDO 4 COB-ID 481)
Index 0x6401 subIndex 05 (A1)	Index 0x6401 subIndex 09 (A2)
Index 0x6401 subIndex 06 (A1)	Index 0x6401 subIndex 0A (A2)
Index 0x6401 subIndex 07 (A2)	Index 0x6401 subIndex 0B (A2)
Index 0x6401 subIndex 08 (A2)	Index 0x6401 subIndex 0C (A2)
	Object 1A02 (TxPDO 3 COB-ID 381) Index 0x6401 subIndex 05 (A1) Index 0x6401 subIndex 06 (A1) Index 0x6401 subIndex 07 (A2) Index 0x6401 subIndex 08 (A2)

(2011/1/5, Hugo)

Q2. What happens when certain DCON-module was disconnected or out of order?

A:

- 1. If you can read the data for the object index 0x6401 sub-index 01 ~ Index 0x6401 sub-index 06, Because those data ware saved in the I-7231D AI registers before the A1 be disconnected, you can read those data from I-7231D.
- 2. If the DCON module was disconnected, you would receive EMCY message. Please refer to the I-7231D user manual in P.137 and P.152. We have provided the Special Functions for DCON modules.

(2011/1/5, Hugo)



Q3. How to update the I-7231D firmware?

- A:
 - Please download the MiniOS7 Utility from the web side and setup it. <u>http://www.icpdas.com/download/download-list.htm</u>
 Please download the last I-7231D firmware from the web side. http://ftp.icpdas.com/pub/cd/fieldbus_cd/canopen/gateway/i-7231d/firmware/
 - 2. Connect the wires as follows.



3. Turn the I-7321D power on, then running the MiniOS7 Utility. And you will see the window as follow.

Reason Officity Venion 3.1.8										
💭 File 👂 Consection + 🚸 Co	nmand 🛐 C	configuration 📑 Tools	🦪 Help 🔹							
Look jn 🔄 MiniOS7_Utility		0000			Lock in: Duk A					
Name	Size	Туре	Modified	Attributes	No	None		Size	Modifier	
Dir Dir PFRM-NAE PSTRM-ris Protection Protectio	118 108 10,559 2,2519 108 59 6 79 8 6 79 8 6 79 8	Far Fader Far Fader Far Fader aufsbruid 朝鮮的比較 有詳細的政策 編集和定式意思 出版筆的 HTMLHeL 最佳和定式意思 VCD 影片繪 應用程式	2002/106 FT 4F 07 32 2008/93 FT 40 20 2008/93 FT 40 20 2008/93 FT 40 26 2008/93 FT 40 75 2008/93 FT 40 75 2009/93 FT 40 75 2009/93 FT 40 75 2008/93 FT 40 20 2008/93 FT 40 20 2008/93 FT 40 20	4 4 4 8 4 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8						

4. Please to click the "New connection" item to create a new connection to the I-7231D



module as follow.

ST EL				Table 🦓 II.l	
ду гце	New connection	F2		10012 🧠 Helb 🔸	
Look in:	Last C ction	Alt+F2	O Ø Ø		
Name	Disconnee	Ctrl+F2 S	ize Type	Modified	Attributes
🚞 bin	Search	F12	File Folder	2008/10/6下午	01:33
🗎 FIRMW	/ARE		File Folder	2008/9/8下午(02:20
OS_IM	AGE		File Folder	2008/9/8下午 0	02:20
🕖 7188eu	Lini		K Connection		
🗐 icpdas			K Connection		
👏 load23.	2.dll	88	K		
😵 MiniOS	7_Utility.chm	1,025	KI COM4	*	
MiniOS 🖄	7_Utility.exe	2,251	KI Serial Port	TCP/UDP	
Mini0S	7_Utility.ini	1	K		
🖄 uart.dll		56	KI Baud Rate: 115200	IP: 192.18	68.255.1
🕑 unins00	00.dat	10	KI Data Bit 8	Port: 10000	
🖯 unins00	00.exe	675	KI Davka (INIopel		
			Panty: O(NONO)		
			Stop Bit: 1	*	
			OK C	ancel	Help

5. If connecting ok, the follow window will be show.

.ook jn: 🛅 MiniOS7_Utility		Y 0 🛊 🖻				Lock in: Disk A	321,930 bytes available		
Vame	Size	Туре	Modified	Attributes	No	Name		Size	Modifie
bin		File Folder	2008/10/6下午 01:33		80	autoexec bat		12	2008/7/14上午 10:57:1
PINMWARE		File Folder	2008/3/8 F + 02:20		E.	can_mru1.exe		136,714	2008/10/17 14 05:24:2
7189eu ini	1KR	181010101	2008/10/6下午 01:26	۵					
liendae	1KB	網羅網路接得	2008/9/8下午 02:20	A					
load232 dl	88KB	應用程式積充	2007/1/31 下午 12:52	A					
MiniOS7_Utility.chm	1,025KB	已编译的 HTML Hel	2007/3/6下午 05:56	A					
MiniOS7_Utility.exe	2,251KB	應用程式	2008/8/15上午 10:15	A					
MiniOS7_Utility.ini	1KB	組態設定值	2008/10/21 上午 11:	A					
uart.dl	56KB	應用程式擴充	2006/12/8上午 10:07	A					
gunins000. dat	10KB	VCD 影片檔	2008/9/8下午 02:20	A					
unin:000.exe	675KB	應用程式	2008/9/8下午 02:20	A					

6. Please click the mouse right key and select "Erase Disk" to clean the I-72321D firmware and autoexec.bat.





7. Please selecting the I-7231D firmware and autoexec.bat drag to the right window .When finish the process, the file will be show in the right window as follow.





S File	Connection 🝷 🔹	Command 🛐 🕻	Configuration 🛅 1	'ools 🥪 Help 🔹	
Look jn:	<u>N</u> ew connection Lest Connection	F2 Alt+F2	🕑 🧿 🖻 🖻		
Name	Disconnect	Ctrl+F2 Size	Туре	Modified	Attributes
BGI	Search	F12	File Folder	2008/9/8上午 11:24	
BIN			File Folder	2008/9/8上午 11:24	
CLASSI	LIB		File Folder	2008/9/8上午 11:24	
Cop			File Folder	2008/9/8上午 11:24	
CRTL			File Folder	2008/9/8 上午 11:24	
demo2			File Folder	2008/9/8 上午 11:24	
DLL200)_L		File Folder	2008/9/8上午 11:24	
DOC			File Folder	2008/9/8 上午 11:24	
emc			File Folder	2008/9/8上午 11:24	
INCLUE	DE		File Folder	2008/9/8上午 11:24	
10Func			File Folder	2008/9/8上午 11:24	
LIB			File Folder	2008/9/8上午 11:24	
nmm			File Folder	2008/9/8上午 11:24	
nms			File Folder	2008/9/8上午 11:24	
obd			File Folder	2008/9/8上午 11:24	
obd_co	m		File Folder	2008/9/8上午 11:24	

8. Please click the "Disconnect" item as follow, and then close the MiniOS7 Utility.

9. When finish all above steps, please turn the power off and take away the line from I-7231D INT* pin link to the GND pin, then turn the power on, the I-7231D will work normal.

(2011/1/5, Hugo)

Q4. How do I know that I-7231D works correctly?

A:

There are power $\$ RUN $\$ ERROR $\$ OVERRUN on I-7231D. Users can judge the status of I-7231D by checking the conditions of those LEDs on I-7231D.

For more information about the meanings of the LEDs, please refer to the section 2.3 and 2.4 of I7231D user's manual.

(2011/1/5, Bear)

