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High Quality Data Acquisition and Embedded Control Products

【FW_Update_CAN Utility 使用說明 v1.1】

[Step 1 – Setting before Firmware update]

1. Using "I-7530" module:

- [1] Set the following parameter by using I-7530 Utility.
 - (1) Set COM_Baud=115200; DataBit=8; StopBit=1; Parity=None; CheckSum=No.; Error Response=No
 - (2) Set CAN Spec.=2.0B; CAN Baud=1000Kbps
 - (3) Set CAN Acceptance Code and Mask= 00000000
 - (4) Disable "Pair Connection" function.

퉬 I-7530 Utility					
<u>F</u> ile <u>A</u> ctions <u>H</u> elp					
Connect Disconr	nect Exit	? About	Dut		
Settings Test					
RS-232 Paramete	rs		2. CAN Parameters		
RS-232 Baudrate	115200 💽	bit/sec	c CAN Specification 2.0B		
Data Bit	8 💌	bit	CAN bus Baudrate 1000K 💽 bit/sec		
Stop Bit	1 💌	bit	Acceptance Code 00000000 (Hex)		
Parity	None 💌	Ыt	Acceptance Mask 00000000 (Hex)		
Add Checksum	No 💌		Pair Connection		
Error Response	No 🔻)	C CR C LF C CR C LF C CR LF C LF C LF C LF C LF C LF C L		
			Fixed Tx CAN ID 00000001 (Hex)		
			Hesponse with CAN ID		
📙 Defaults					
Connected to COM1	Configuratio	on Mode	le Ver: 2.01 Copyright(c) 2004 ICP DAS Co., LTD.		

(I-7530 Utility)

2. Using "I-7540D" module:

[1] Installl "VxComm_Driver" and run "VxComm Utility" :

- (1) Click "Search Servers" button
- (2) Click "Add Server(s)" button
- (3) Set "Port 3" of I-7540D to be a Virtual COM. (like COM20)
- (4) Execute "Restart Driver"

🥩 ¥xComm Utility [v2.10.0	0, Mar.24, 2	2010]							
<u>File S</u> erver <u>P</u> ort <u>T</u> ools									
System In	formation iver	<u>}</u>	Configu	ure Server				Co	nfigure Port
driver & utility		m Serve	rs			Port	Virtual CO	M B	audrate
Where remote serve the become part of your PC	7186	6E3 (19)	2.168.1.50) 🔔			Port I/O Port 1	Reserved UnMap	N, D	'A ynamic
Add Server(s)						Port 2 Port 3	UnMap COM20	D' D'	/namic ynamic
X Remove Server									
Web									
Search Servers									
Configuration (UDP)									
Exit									
	۱.								
	Name	Alias	IP Address	Sub-net M	Gateway	MAC Addre	ss [HCP	
<	7186E3	N/A	192.168.1.50	255.255.0.0	192.168.1.1	00:0d:e0:d	0:7c:2e (DFF	

(VxComm Utility)

[2] Set the following parameter by using I-7540D Utility.

- (1) Set CAN Spec.=2.0B; CAN Baud=1000Kbps
- (2) Set CAN Acceptance Code=00000000; Mask= FFFFFFF
- (3) Set Error Resp.= No; TimeStamp Resp.= No
- (4) Disable "Pair Connection" function.

🌃 i-7540D Utility	
<u>File A</u> ctions <u>H</u> elp	
Connect Disconnect Exit	
Settings Test	
1 CAN Parameters	Network Status
CAN Specification 2.08	Gateway: 192.168.1.1 Set
CAN Bus Baud rate 1000K 💌 bits/sec	Mask : 255.255.0.0 Set
	MAC : 00:0d:e0:d0:7c:2e
2-	Web ID : 7540D Set
Acceptance Code 00 00 00 00 (Hex)	Web Passwd : icpdas7540D Set
Acceptance Mask FF FF FF FF (Hex)	🔲 Reset System
3	Modify IP
Error Resp. No 💌 TimeStamp Resp. No 💌	CAN Bus Pair Connection Status
Setting Defaults	CAN Bus Pair Connection Set
COM Status	© TCP C UDP © Server C Client
COM1: 9600,8,N,1 Set	
COM2: 9600,8,N,1 Set	Connect to 192.168.0.51 Set
Connected Configuration Mode v1.1.4[1	10/29/2009] Copyright(c) 2005 ICP DAS Co., LTD.

(I-7540D Utility)

3. Using "I-7565" module:

[1] Set the following parameter by using I-7565 Utility.

- (1) Set CheckSum= No ; Error Response= No
- (2) Set CAN Spec.= 2.0B ; Baud= 1000K
- (3) Set CAN Acceptance Code and Mask= 00000000
- (4) Set RS-232 Baudrate= 921600

🍒 CAN Converter Utility		
<u>F</u> ile <u>A</u> ctions <u>H</u> elp		
Connect Disconnect Exit Settings Test	About	
4 RS-232 Parameters	2 CAN Parameters	
RS-232 Baudrate 921600 👻	bit/sec CAN Specification 2.0B	User-defined CAN baud rate
Data Bit 🛛 👻 💌	bit CAN bus Baudrate 1000K 💌 bit/sec	Clock Mode 0 (Hex)
Stop Bit 1 💌	bit 3 Acceptance Code 00000000 (Hex)	Note: CAN baud rate < 12K, Clock Mode = 0.
1 Parity None 💌	bit Acceptance Mask 00000000 (Hex)	Bit Timing 1 00 (Hex)
Add Checksum No 💌	Pair Connection	Bit Timing 2 00 (Hex)
Error Response No 💌	End of RS-232 Command	Bit Timing 3 00 (Hex)
	C CR_LF C LF_CR Fixed Tx CAN ID 00000001 (Hex) Response with CAN ID	Calculate K bit/sec
📕 Defaults	🧐 Setting	
Connected to COM12 Configurat	ion Mode Ver: 3.00 Copyright(c) 2004~2016 ICP DAS C	co., LTD.

(I-7565 Utility)

[Step 2 – Run FW_Update	_CAN Utility]
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😹 FW_Update_CAN_v1.00
1. CAN Device :
(1) RS232 to CAN : 🔿 I-7530(A)
(2) Ethemet to CAN : 🔘 I-7540D
(3) USB to CAN : C I-7565 C I-7565-H1 💽 I-7565-H2
(4) CAN Card: C PISO-CM100(U) C CAN200 C CAN400
Dev_Port: COM4 💌 CAN_Port: CAN1 💌
2. Firmware :
Start Firmware Download

(FW_Update_CAN Utility)

[1] CAN Device :

The below ICP DAS CAN products are supported by FW_Update_CAN utility for firmware update.

- (1) RS232 to CAN : <u>I-7530</u>
- (2) Ethernet to CAN : <u>I-7540D</u>
- (3) USB to CAN : <u>I-7565</u>, <u>I-7565-H1</u>, <u>I-7565-H2</u>
- (4) CAN Card : <u>PISO-CM100(U)</u>,
 - PISO-/PCM-/PEX-CAN200 / CAN400

Before firmware update, users need to set the below parameters.

- (1) Select CAN hardware interface
- (2) set Dev_Port or Board_ID
- (3) set CAN_Port" number

[2] Download Firmware :

- (1) Click "Browser..." button to choose firmware file.
- (2) Click "Start Firmware Update" button to start firmware update and it will show the total percentage of firmware update in progress bar. After the

firmware update finished, it will show the "Firmware Update Success !!" message.



[Note]

If the "**Firmware Ack Timeout**" error message shows up during firmware update, please check the following status.

- (1) Check "CAN bus hardware connection".
- (2) Check "Communication Parameter of CAN device".
- (3) Check module if it is in "Bootloader" mode.