The DASYLab CAN Driver

Quick Start User Guide

This user guide descirbes how to implement the DASYLab CAN driver into their applications with DASYLab 8.0 in a quick and easy way. Therefore, it only provides the basic instructions. For more detail information about the driver, please refer to the DASYLab CAN driver user manual in the product CD:

\\CAN\PCI\PISO-CAN200_400\DASYLab_CAN_driver\

Or download it from following web site:

http://www.icpdas.com/download/pci/piso-can/index.htm

- Step 1: Before using the DASYLab CAN driver, users must have at least one PISO-CAN200 or PISO-CAN400 card and CAN card driver of PISO-CAN200/400 in user's computer (please refer to PISO-CAN user manual for installation).
- Step 2: Connect CAN card port 1 with port 2, and enable terminator resister of port 1 and port 2.



Step 3: Get the DASYLab CAN driver setup file from the web site:

http://www.icpdas.com/download/pci/piso-can/index.htm

Or in the path of the product CD:

\\CAN\PCI\PISO-CAN200_400\DASYLab_CAN_driver\

Step 4: Execute the DASYLab_CAN.exe file and click "Next" to continue. In order to use default path to install the DASYLab CAN driver, click Next to next step. Then, click Install button to continue. After finish installation, click Finish button.



Step 5: Execute DASYLab 8.0, and click "Time Base Setup".

👫 D	ASYI	Lab8-Net	- (no name)	- [Work	sheet]
File	Edit	Modules	ICP DAS-CA	N DA <u>P</u>	Experi
►	П		200	%∣≡	ci) [

Step 6: Select the "Driver" and "ICP DAS-CAN" tab. Set the sample rate to 200Hz and block size to 1.

Time Base Settings		Time Base Settings	
DASYLab Driver ICPDAS-CAN	ОК	DASYLab Driver	ОК
DEMO (no Hardware)	Cancel	ICPDAS-CAN 275, DLL Version: 8.05	Cancel
Sample Bate	Help	Sample Bate 200.0000 V Hz V	Help
Block Size		Block Size	

Step 7: Drag and drop a CAN Data Receive module and a CAN Data Send module on DASYLab worksheet. Double click these two modules for configuration. The arbitration id of CAN Data Receive module and CAN Data Send module is 100H. Set the CAN Port of Data Receive and Data Send module to port 0 and port1 respectively. Check their "Scale Integer Channel" check box and set the scale range from -5 to +5. All the other parameters use the default values.

ICP DAS-CAN Receive	ICP DAS-CAN Send
Module Name: ICP DAS Intit Description: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 Image: The second secon	Module Name: ICP DAS 0u00 Description: CAN Port / CAN Specification Channel (Port) CAN1 © 11 Bit (2.0A) © 29 Bit (2.0B) Telegram Number (Arbitration ID): 100H 256
Channel Name: ICP DAS In 0 Unit: V Ok CAN Port / Specification Cancel Channel (Port): CAN0 • 11 Bit (2.0A) 29 Bit (2.0B) Telegram Number (Arbitration ID): 100H 256	Telegram Parameter Output Mode Import from Send Telegram if new data arrives at Import from Import from Import from<
Telegram Parameter Manual Selection CANdb Candb	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 Image: The second sec
Decoding Scaling Type: Signed Byte Start: Image: Comparison of the state of	Decoding Cancel Type: Signed Byte ▼ Start: 0 ▼ Format: © Motorola For 128: 0: 0: 5.0000 for 127: 5.0000

Step 8: Drag and drop a Generator module and choose "Without Modulation" function. The wave form is sine wave, the frequency is 1Hz, and the amplitude is 5.

Choose Generator Function		Generator without Modulation	
Function Group	Ok	Module Name: Generator00	Description:
C Amplitude Modulation C Frequency Modulation	Cancel		7 8 9 10 11 12 13 14 15
C Amplitude and Frequency Modulation	Help	Renerator (
		Parameters	Wave Form Cancel
		Frequency (in Hz): 1.0000 Amplitude: 5.0000	Sine C Triangular Help
		Offset: 0.0000	C Pulse C Constant
		Phase Shift (Deg): 0.0000	C Noise Options

Step 9: Then drag and drop a Recorder module and set the "Max Display Time" of "X Scaling" to 5 second.

Chart Recorder			
Module Name: Recorder00 Description:			
Zooming C X and Y Direction C only Y Direction • or	ly X Direction		
Time Axis			
Display Time Unit C Display Date		L.	
Show Gap at trigger event Connect trigger events		Max. Display Time	C Min
	14 15	5.0000 C Hours possible: 27083.3333	C Day
□ Name: Recorder to Unit : #0	Ok		
X Scaling Ref. Curve	Cancel		
Y Scaling Print Options	Help		
	Copy Inputs		

Step 10: Connect these four modules as follows.



Step 11: Run this program and the wave form is shown below.

