Chapter 15 Using Soft-GRAF HMI in the Win-GRAF PAC

This chapter list the way to run Soft-GRAF HMI in the Win-GRAF PAC. The Soft-GRAF is a software which allows user to create colorful HMI. User can easily edit HMI screen by mouse dragging and dropping the object and run both HMI and Win-GRAF softlogic in the same Win-GRAF PAC.

Note: Please refer the ISaGRAF FAQ 146 to get more information about using Soft-GRAF.

ISaGRAF FAQ146:

http://www.icpdas.com/faq/isagraf/146.htm

15.1 Restore the Win-GRAF Project

Please copy all demo programs into your PC. CD-ROM of Win-GRAF PAC: \napdos\Win-GRAF\demo-project\Soft-GRAF-demo\

Win-GRAF demo	Soft-GRAF demo	Description
demo_soft-graf1	demo01	
demo_soft-graf2	demo02	Domonstrate Soft CRAE basic HNU object
demo_soft-graf3	demo03	Demonstrate Soft-GRAF basic fivil object.
demo_soft-graf4	demo04	
demo_soft-graf5	demo05	Picture and animation picture (.gif).
demo_soft-graf6	demo06	Trend graph and gauge.
demo_soft-graf7	demo07a demo07b	Alarm
demo_soft-graf8	demo08	Data logger

Demo project for both Win-GRAF and Soft-GRAF:

You may restore the "demo_soft_graf01.zip" to your Win-GRAF workbench to get familiar with it. Then download to the Win-GRAF PAC. If you have no idea how to restore the Win-GRAF project. Please refer the <u>Section 13.1</u>.

15.1.1 Install the Soft-GRAF Studio

Please download the "faq146_demo.zip" from the ISaGARF FAQ146 web page. <u>http://www.icpdas.com/faq/isagraf/146.htm</u>

Q: Soft-GRAF Studio : Create a Colorful HMI in the XP-	8xx7-CE6/8xx7-Atom-CE6 & WP-	ISaGRAF 146 back 8xx7 & VP-2xW7 PAC Ver. 1.11
Ans: 1. Please refer to faq146.pdf 2. Download Soft-GRAF Studuio software, demo 3. View tutorial video of the "Soft-GRAF Studio"	programs and document. (About	25MB)
	Click here to download	44
		Written by Raven Liu Date:2011/12/30

After unzip the file, please copy the "Soft-GRAF Studio" folder into "D:\". Then, it becomes "D:\Soft-GRAF Studio".

15.1.2 Download the Soft-GRAF HMI Project to the Win-GRAF PAC

Executes the "Soft-GRAF Studio.exe" from the "D:\Soft-GRAF Studio". Then click the "open project" on the upper left screen. Open the "demo01.sof".

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	網路上的芳鄉	檔名(N):	Demo01 sof	~	開啓(0)
		檔案類型(I):	SoftGraf files (*.sof)	~	取消

Click "project" -> "IP Setting". Setup the IP address of the Win-GRAF PAC.

File	Proj	ject View	Help					
9		IP Setting						
		Resolution	Setting					
Proje		Password						
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				IP Address	192	168	. 71	. 164
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Click "download" to download HMI project to the Win-GRAF PAC. If download success, you can see HMI on the Win-GRAF PAC screen.

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Project View					

15.2 How to Develop Soft-GRAF HMI

Before user develops Soft-GRAF HMI, users have to publish Win-GRAF project variables. Then, Soft-GRAF HMI could read/write the Win-GRAF variables. Please refer the <u>Section 13.2</u> to get information about publishing Win-GRAF variables.



There is another setting in the Win-GRAF workbench before user develops Soft-GRAF HMI. User needs to add "Soft-GRAF" in the Win-GRAF "IO boards". The following steps demonstrate how to add it.

Click "Open I/Os" on Win-GRAF toolbar.



Click Slot 8 or larger slot NO. (suggest value is 9) position. Then click "Select" button. Finally, mouse double click "Soft-GRAF" in the dialog.

III I/O Boards	
0 1 2	Close Select
3 4 5	Delete
6 7 8	Rename Properties
3 10 11 12	Virtual/Real
12 13 14	Move Up Move Do <u>w</u> n
15 16 17	Help

9:		×		
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(all) ICP DAS • XP-WP-VF Standard Standard ICP DAS • XP-WP-VF i_87066_D i_87068_D i_87082_c i_87082_c i_87082_c i_87082_c i_exist (*te i_red undar i_scale (*S Ping_ip (* Soft_GRA	OO (*8-ch D/O, AC-SSR *) OO (*8-ch D/O, DC-SSR *) OO (*8-ch D/O, Relay *) OO (*8-ch D/O, PhotoMOS Relay *) nt (*2-ch 32-bit counter, 2-ch D/O *) req (*2-ch 32-bit frequency, 2-ch D/O *) est if i-8k and i-87k boards exist or not *) acy (* Enable a "Active_IP" in the redundancy system *) etup the scaling function No. 01 to 29 . *) Test Ethernet / Internet connection *) F (* Enable Soft-GRAF driver *)	<		
Soft_GRAF		^		
Enable Soft-GRAF driver .	Double Click			
1-ch boolean inputs : Always TRUE				
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After adding "I/O boards", please compile the Win-GRAF project. Then download to the Win-GRAF PAC. Then users can start to develop your Soft-GRAF HMI.

Note: Please refer ISaGRAF FAQ146 chapter 1.2 to get more details about Soft-GRAF Studio. **ISaGRAF FAQ146:**

http://www.icpdas.com/faq/isagraf/146.htm