Chapter 3: Setting Up A Web HMI Demo

The XP-8xx7-CE6 is the abbreviation of the XP-8047-CE / XP-8347-CE6 / XP-8747-CE6 . The XP-8xx6-CE6 is the abbreviation of the XP-8046-CE / XP-8346-CE6 / XP-8746-CE6 .

Important:

1. The XP-8xx7-CE6 / XP-8xx6-CE6 supports only High profile I-8K and I-87K I/O cards in its slot 1 to 7 (The leftmost I/O slot number is 1). Refer to the XP-8xx7-CE6 CD: \napdos\isagraf\xp-8xx7-ce6\english-manu\ "xp-8xx7-ce6-datasheet.pdf"

2. Please always set a **fixed IP** address to the XP-8xx7. (No DHCP) Recommend to use the NS-205 / NS-208 Industrial Switch for XP-8xx7-CE / XP-8xx6-CE6.

3 The leftmost I/O slot number of the XP-8xx7-CE6 / XP-8xx6-CE6 is 1.

3.1: Web Demo List

The Web page location:

XP-8xx7-CE6 CD-ROM: \napdos\isagraf\xp-8xx7-ce6\xpce6-webhmi-demo\

The respective ISaGRAF project location:

XP-8xx7-CE6 CD-ROM: \napdos\isagraf\xp-8xx7-ce6\demo\

Demo list:

Name	Description	IO board
sample	A Web HMI sample	No I/O board
example1	A simple example listed in Chapter 4	slot 1: I-87055W
xphmi_01	Display controller's date & time	No I/O board
xphmi_02	DI & DO demo	slot 1: I-87055W
xphmi_03	Read / Write Long, float & Timer value	No I/O board
xphmi_04	Read / Write controller's String	No I/O board
xphmi_05	Multi-Pages demo	slot 1: I-87055W
	Page menu is on the Left	
xphmi_05a	Multi-Pages demo	slot 1: I-87055W
	Page menu is on the Top	
xphmi_06	AIO demo, scaling is in ISaGRAF	slot 2: I-87024W
		slot 3: I-8017HW
xphmi_07	AIO demo, scaling is in PC	slot 2: I-87024W
		slot 3: I-8017HW
xphmi_08	download controller's file to PC	slot 1: I-87055W
xphmi_09	pop up an alarm window on PC	slot 1: I-87055W
xphmi_11	Trend curve.	slot 2: I-87024W
		slot 3: I-8017hW
xphmi_12	Record 1 to 8 Ch. i8017HW 's volt every 50ms	slot 3: I-8017hW
	and draw trend curve by M.S.Excel	slot 2: I-8024W
xphmi_13	Record 1 to 4-Ch. i8017HW's voltage every	slot 3: I-8017hW
	10ms and draw trend curve by M.S.Excel	slot 2: I-8024W

3.2: Steps To Set Up A Web HMI Demo

3.2.1: Step 1 - Setup The Hardware

A. Please have one XP-8347-CE6 or XP-8747-CE6 and plug one I-87055W in its slot 1.

If you don't have the I-87055W (8 IN & 8 OUT board), please follow the same steps as below however your Web HMI demo may be replaced to "xphmi_01" not "xphmi_05"

B. Prepare one VGA monitor, one USB mouse and one ethernet cable and then connect them to the XP-8xx7-CE6. (Keyboard is using the software keyboard on the bottom-right of the VGA screen)

C. Power the XP-8xx7-CE6 up.

3.2.2: Step 2 - Setting The Web Options

A. Please refer to the Appendix A.3 of the XP-8xx7-CE6 getting started manual to set a **fixed IP** address to the XP-8xx7-CE6. (No DHCP)

B. Check on "Enable Web HMI" and then click on "Setting", Please check the "Enable Account Security" and then click on "Edit" to set (username , password). Then remember to click on "OK"

isaXPce6 XP-8xx7-CE6 ISaGRAF D	XP-8xx7-CE6 ISaGRAF Driver				
	Security Settings	ок			
rs_wphmi Options Fnable Web HMI	Account Modbus List IP Setting	`			
Disable FTP Serveice	Enable Account Security	_			
Disable Telnet Serveice					
To set up advanced securit	User Name level1 Password ****** Edit				
Settings	Priority Middle				
	User Name level2				
Chajei IM Name	Password ***** Edit				
✓ Keyboard LargeKB	Priority High				
Phonetic IM Name	User Name level3				
ShuangPin IM (for Pocket IME)	Password ****** Edit				
Hide Input Panel					
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Note: If "Enable Account Security" is not checked, any user can easily get access to your XP-8xx7-CE6 through the Internet Explorer.

3.2.3: Step 3 - Download ISaGRAF Project

Please download ISaGRAF project "xphmi_05" to the XP-8XX7-CE6. This project is in the XP-8xx7-CE6 CD-ROM:\napdos\isagraf\xp-8xx7-ce6\demo\ "xphmi_05.pia"

xphmi_05 demo need one I-87055W.lf you don't have the I-87055W (8 IN & 8 OUT board), you may download "xphmi_01" (CD-ROM:\napdos\isagraf\xp-8xx7-ce6\demo\)

If you know how to restore "xphmi_05.pia" to your ISaGRAF Workbench and download it to the controller, please go ahead to the section 3.2.4.

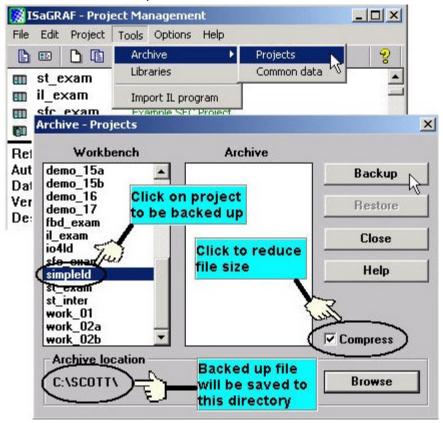
However if you don't know it, please refer to the below steps. Please make sure the ISaGRAF Workbench is already installed to your PC. (refer to the section 2.1 & 2.2)

Steps To Backing Up & Restoring An ISaGRAF Project:

For archiving purposes you can "Back Up" and "Restore" an ISaGRAF project. For example, you may want someone to test your program or email to <u>service@icpdas.com</u> for ICP DAS's ISaGRAF technical service.

Backing Up An ISaGRAF Project

Open the "ISaGRAF Project Management", select "Tools" from the menu bar, click on "Archive", and then click on "Projects". An "Archive Projects" window will open which allows you to designate where you want to save the ISaGRAF project to. Click on the name of the ISaGRAF project you want to backup, and then click on the "Backup" button. You can compress the size of the file you have backed up by clicking on the "Compress" checkbox BEFORE you click on the "Backup" button.



Then you will now find the backed up ISaGRAF project file in the "Archive" location you have designated. In the example above, the name of the backed up file is "simpleld.pia".

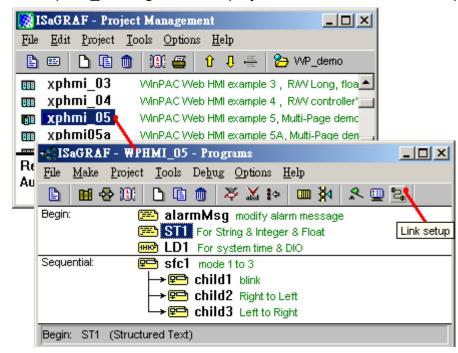
Restoring An ISaGRAF Project

To restore an ISaGRAF project from a backed up file(*.pia), use the same method as above to access the "Archive Projects" window, click on the name of the project you want to restore from the "Workbench" window, then click on the name of the backed up file from the "Archive" window, then click on the "Restore" button. The ISaGRAF project will now be restored to the sub-directory you designated.

Workbench	Archive	
emo_15a 🛛 🧧 emo_15b	simpleId	Backup
emo_16 emo_17		Restore
od_exam _exam 04ld		Close
c_exam mpleld		Help
t_exam t_inter ork 01		
ork_02a		
Archive location —		
C:\SCOTT\		Browse

3.2.3.1: Steps To Download a ISaGRAF Project To The Controller:

Double click on the "xphmi_05" to get into the project. Then click on "Link setup" .



Click on "Setup" first and then entering the IP address of your controller. The port number should be 502.

PC-PLC link parameters		×
Target Slave Number:	1	<u>0</u> K
Communication port:	ETHERNET 🗾	Cancel
Control		Setup
Time out (seconds):	2	
Retries: ETHERNE	f link parameters	×
Internet a	address: 10.0.0.103	
Port num	ber: 502	<u>Cancel</u>
library	/orkbench uses the WINSOCK for TCP-IP communications. Er s file is correctly installed on the disk.	isure

To download "xphmi_05" project to the XP-8xx7-CE6, Click on "Debug". If communication is established, click on "stop" first to stop the old project running in the XP-8xx7-CE6.

- ISaGRAF - XPHMI_05 - Programs	
<u>File Make Project Tools Debug Options H</u> elp	
🖹 🖬 🕾 🛈 🗋 🗊 🦉 👗 🕪 💷 🎘 🔛 🖳 😫	
Begin: Be	
Sequential:	
Begin: ST1 (Structured Te: File Control Tools Options Help	
<u></u>	
'wn thΩ2' active Stop application	

Then click on "Download" to download it to the controller.

🧟 ISaGRAF - XPHMI_05 - Debu	ugger	
<u>File Control Tools Options H</u> elt	lp	
🐵 👀 🗁 🕨 א 🕨 🎯	Download	×
'wp_vhl2' active Download	ISA86M: TIC code for Intel Application symbols	
	Download Cancel	

3.2.4: Step 4 - Download Web Pages To The Wincon

A. Please copy all files in the CD-ROM:

XP-8xx7-CE6 CD: \napdos\isagraf\xp-8xx7-CE6\xpce6-webhmi-demo\xphmi_05\ *.* to the XP-8Xx7-CE6 's \System_Disk\Temp\HTTP\WebHMI\

xphmi_05 demo need one I-87055W in its slot 1. If you don't have the I-87055W (8 IN & 8 OUT board), you may download "xphmi_01"

B. Since the Web Pages are modified or new copied, please run "rs_wphmi.exe" to reset the Web server. The "rs_wphmi.exe" must be run every time when user has modified any file in the XP-8xx7-CE6 's \System Disk\Temp\HTTP\WebHMI\



3.2.5: Step 5 - Show Time

Please run Internet Explorer (Rev. 6.0 or higher) on PC , key in the IP address of your XP-8xx7-CE6. For example: 61.218.42.10 or <u>http://61.218.42.10</u>

Note:

The XP-8xx7-CE6 (with professional OS) supports Web HMI on its own Internet Explorer. You may run Internet Explorer on the XP-8xx7-CE6 's VGA and then key-in local host IP address 127.0.0.1 or <u>http://127.0.0.1</u>

