XP-8000-Atom Quick Start Guide

Congratulations!

Congratulations on purchasing XP-8000-Atom - the most popular automation solution for remote monitoring and control application. This Quick Start Guide will provide information needed to get started with XP-8000-Atom. Please also consult the User Manual for detailed information on the setup and use of XP-8000-Atom.

What's in the Box?

In addition to this guide, the package includes the following items:

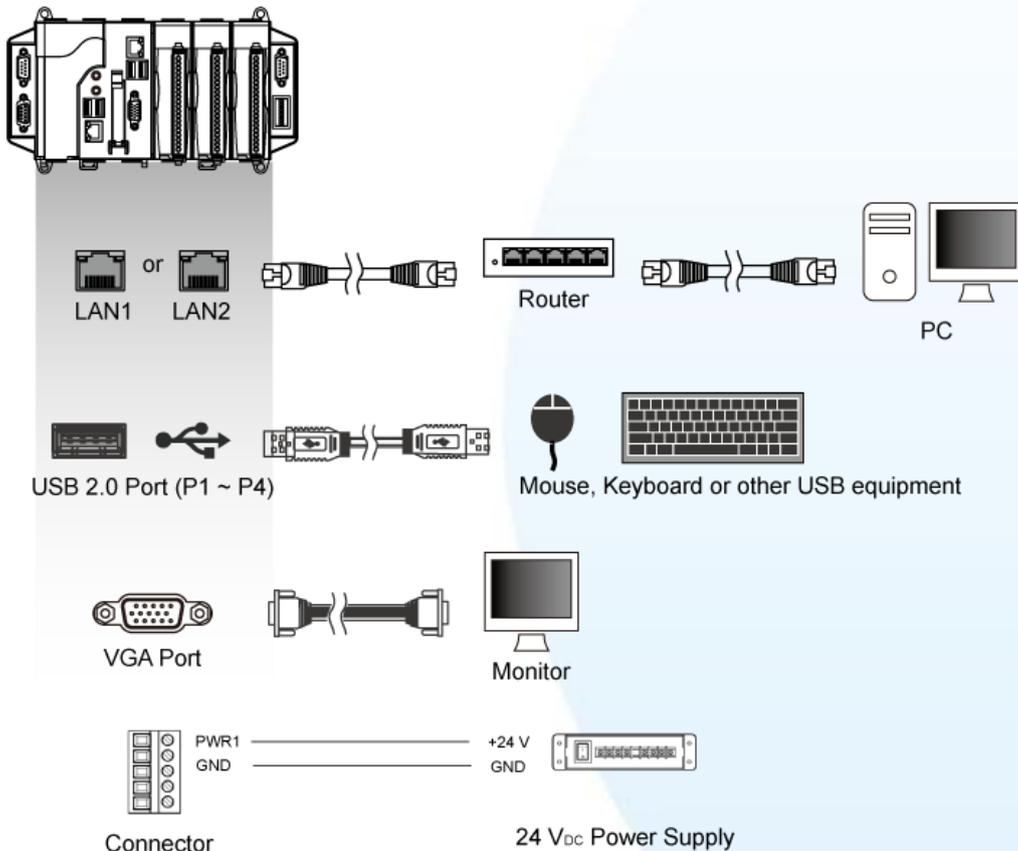| XP-8000-Atom Module	8 GB CF Card	Software Utility CD	Screw Driver
XP-8141-Atom XP-8341-Atom XP-8741-Atom			1C016 2.4 mm

Preparing for Start-up Your XP-8000-Atom

- **Power Supply: +10 ~ +30 VDC (Ex: DP-665)**
  http://www.icpdas.com/products/Accessories/power_supply/power_list.htm
- **Monitor: 800 x 600 ~ 1600 x 1200**
- **USB Mouse**
- **USB Keyboard**

1 Connecting to PC and Other Supported Devices

i. Connect PC to the LAN port through a hub.

ii. Connect the USB mouse and USB keyboard to the USB port.

iii. Connect the monitor to the VGA port.

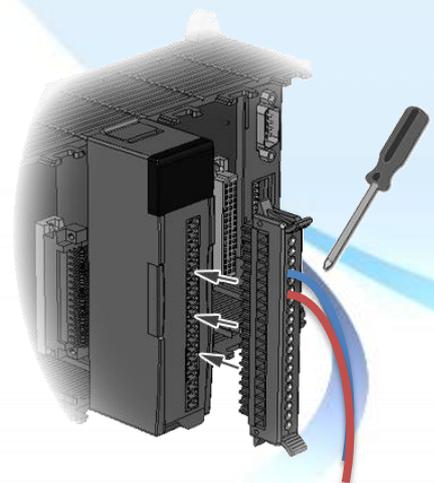iv. Connect the +24 V_{DC} power supply to PWR1 and GND terminals.

2 Inserting the I/O Modules

Only high profile I-8K and I-87K series modules can be plugged.

For more information about this expansion I/O modules, please refer to
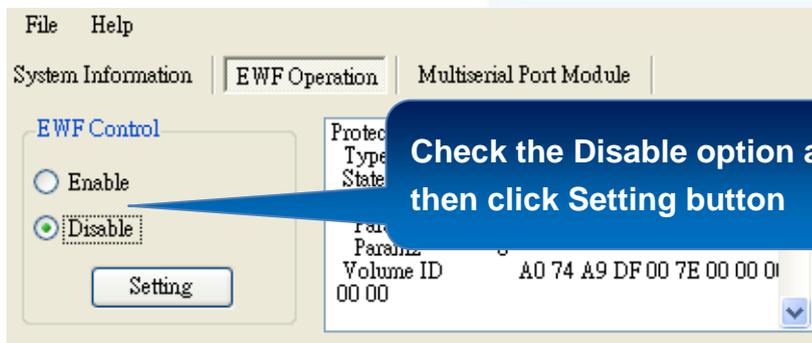http://www.icpdas.com/products/PAC/xpac/IO_Expansion.htm

3 Enabling/Disabling the EWF for Disc Protection

The EWF protects the C disk on XP-8000-Atom for protecting the system from virus infection and harsh environments, if you want to install the application or modify the system settings, you must first disable it. After the operation has been completed, EWF needs to be enabled.

XPAC Utility

Step 1 Disable EWF:

i. Double-Click XPAC Utility located on desktop

ii. Click EWF operation tab, Check Disable option and click Setting button

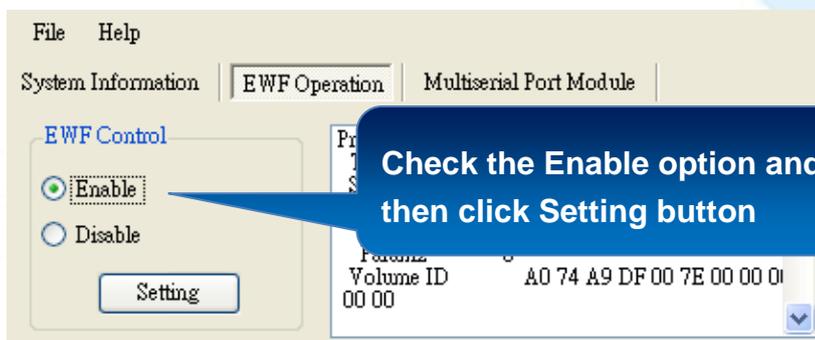**Check the Disable option and then click Setting button**

iii. Click OK button on pop-up message box, then reboot the XP-8000-Atom

Step 2 Install the application or modify the system settings

Step 3 Enable EWF:

i. Double-Click XPAC Utility located on desktop

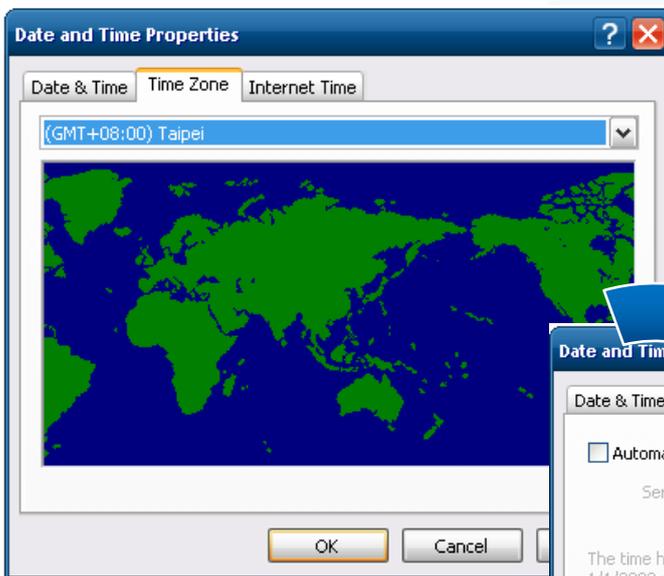ii. Click EWF operation tab, Check Enable option and click Setting button

Check the Enable option and then click Setting button

iii. Click OK button on pop-up message box, then reboot the XP-8000-Atom
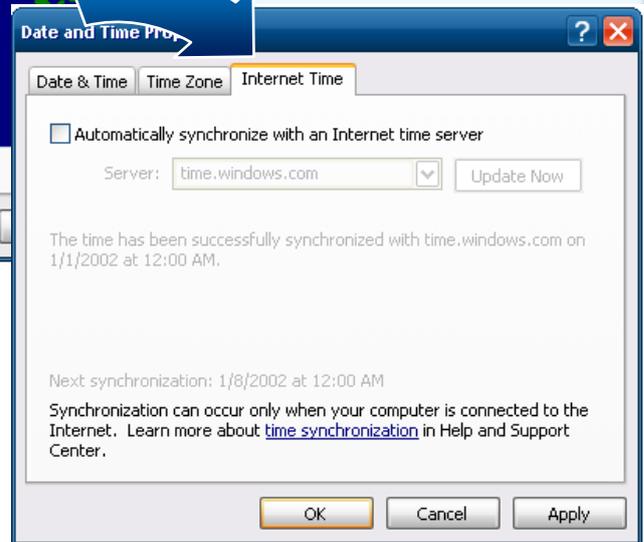
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4 Changing System Settings

When you turn on the XP-8000-Atom and learned how to enable and disable the EWF, next you need to configure two system settings for your XP-8000-Atom target – language and time zone. Before you begin the configuration, make sure that you have disabled the EWF.

Step 1 Click "Start" menu, point to "Settings", click "Control Panel", and then click "Date and Time"
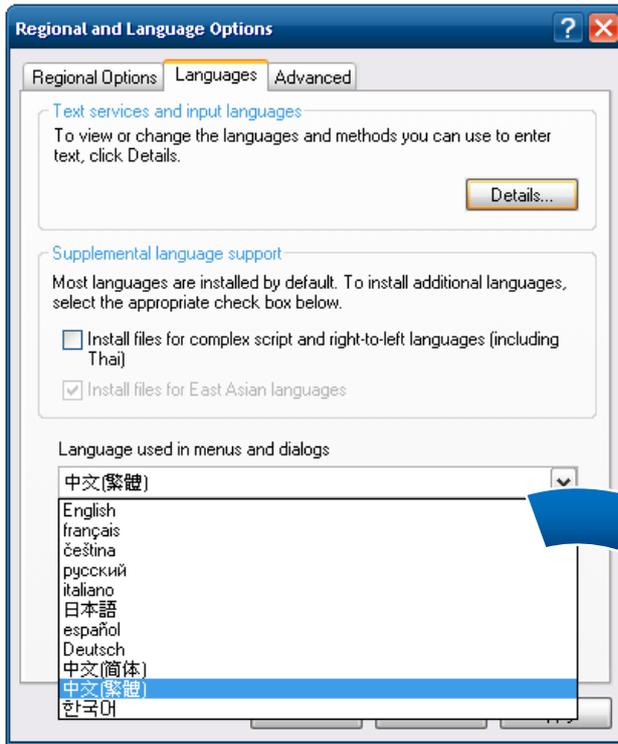

Date and Time

Step 2 Click "Time Zone" tab, choose your local time zone, and then click "Apply" button

Step 3 Click "Internet Time" tab, click to clear the "Automatically synchronize with an Internet time server" check box, and then click "OK" button
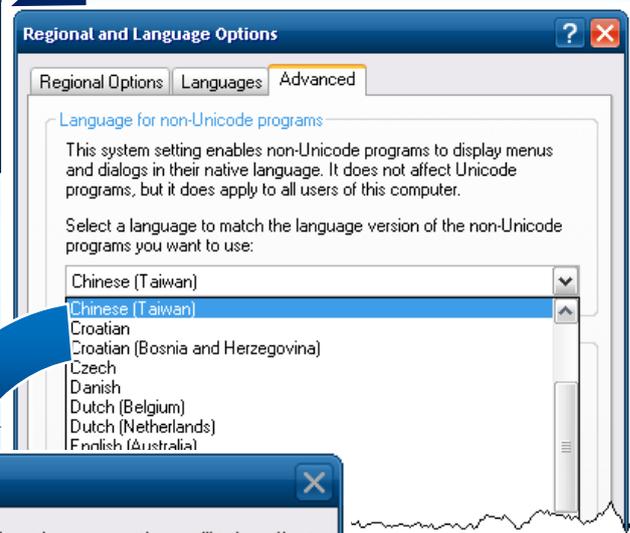
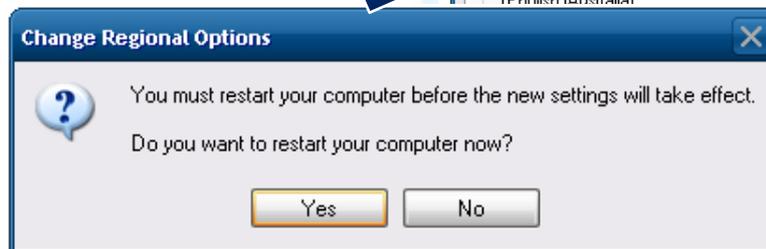**Step 4 Go back to the control panel, and then click "Date and Time"**

Regional and Language …

Step 5 **Click "Language" tab, choose your local language from drop-down menu, and then click "Apply" button**

Step 6 **Click "Advanced" tab, choose your language for non-unicode programs from drop-down menu, and then click "OK" button**

Step 7 **Click "Yes" button on pop-up message box for restarting the XP-8000-Atom to take effect**

5 Using DCON Utility to Configure I-87K Modules

DCON Utility is a tool kit that can be used to quickly control and manage I-87K series expansion I/O modules.

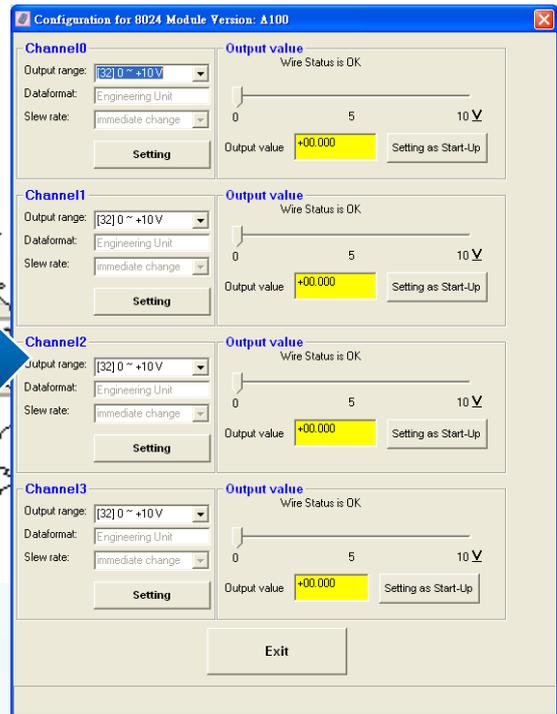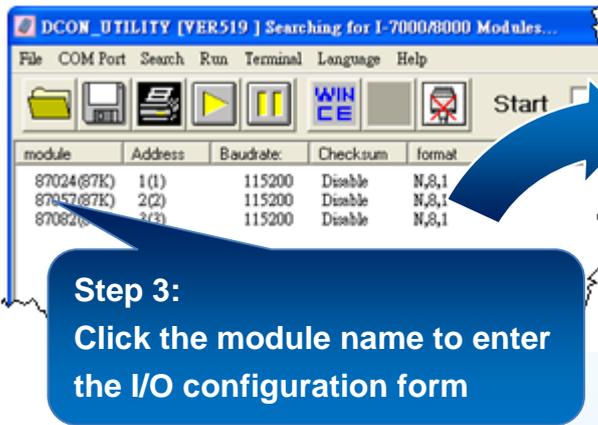**Step 1** **Double-click "DCON Utility" located on desktop**

Step 2 **Click "Search" button**

Step 2:
Click Search Button

Step 3 **Click the module name to enter the I/O configuration form**

Step 3:

Click the module name to enter the I/O configuration form

6 Recovering your XP-8000-Atom

Before recovering the OS, please make sure your data is well backed up.

Step 1 **Plug the "Rescue" marked CF card in CF slot**

Step 2 **Reboot the XP-8000-Atom and go to the BIOS by pressing "Delete" key**

Step 3 **Select "Boot" menu, and then select "Hard Disk Drives" and then press "Enter" key**

BIOS Setup Utility						
Main	Advanced	PCIPnP	Boot	Security	Chipset	Exit
▶ Boot Settings					Specifies the Boot Device Priority sequence from available Hard drives	
▶ Boot Settings Configuration						
▶ Hard Disk Drives						

Step 4 Select "1st Drive" and press "Enter" key

Step 5 Set "1st Drive" as "PS-XXX", it specifies the XP-8000-Atom to boot form CF card

BIOS Setup Utility						
Main	Advanced	PCIPnP	Boot	Security	Chipset	Exit

Hard Disk Drivers		Specifies the Boot sequence from available drives
1st Drive	[SATA: PS-XXX]	
2nd Drive	[SATA: PM-XXX]	

Step 6 Press "F10" to save and select "OK" to exit setup utility

Step 7 After restarting, the system will enter the XP-8000-Atom Rescue Utility, and then enter (1) Recover XP-8000-Atom to factory default

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*******************************************
*      XP-8000-Atom Rescue Disk -- Main Menu      *
*******************************************


Choose one of the followings:

(1) Recover XP-8000-Atom to factory default
(2) Upgrade XP-8000-Atom manually
(3) Display Drive [C]
(4) Quit rescue disk and reboot
(5) Command shell

Enter choice: 1
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Step 8 After taking about 30 minutes to recover the XP-8000, we enter the XP-8000-Atom Rescue Utility again, and then enter (4) Quit rescue disk and reboot

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Step 9 **Repeat step 2 ~ 6 to set "1st Drive" as "PM-XXX"**

BIOS Setup Utility						
Main	Advanced	PCIPnP	Boot	Security	Chipset	Exit

Hard Disk Drivers		Specifies the Boot sequence from available drives
1st Drive	[SATA: PM-XXX]	
2nd Drive	[SATA: PS-XXX]	

Step 10 **After rebooting the XP-8000-Atom, the system takes about 8 minutes to set up, and then it has been recovered**

Technical Support

After you have finished configuring your module(s), you may start to develop your own applications. For detailed instructions and more applications, please refer to the following information list:

● **XP-8000-Atom User Manual**

  CD:\Document\user_manual\

  ftp://ftp.icpdas.com/pub/cd/xpac-atom/document/user_manual/

● **XPacSDK API**

  CD:\SDK\

  ftp://ftp.icpdas.com/pub/cd/xpac-atom/sdk/

● **XPacSDK API Documents**

  CD:\Document\sdk\xpacsdk\

  ftp://ftp.icpdas.com/pub/cd/xpac-atom/document/sdk/

● **DCON Utility User Manual**

  CD:\Tools\DCON_Utility\Manual\

  ftp://ftp.icpdas.com/pub/cd/xpac-atom/tools/dcon_utility/manual/

● **XP-8000-Atom Website**

  http://www.icpdas.com.tw/product/solutions/pac/xpac-atom/xp_8x41_atom.html