

ICP DAS
PMC-284x Utility
Quick Start
[Version 1.0.0]



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ICP DAS CO., LTD.

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1 Software Description

This document is intended to provide guidelines for ICP DAS PMC-284x Utility software tool. This software tool has to be installed on PC and it enables to perform the following functions on PMC-284x series controllers via Ethernet :

- (1) Firmware Update
- (2) Setting File Update and Backup
 - Backup Setting File from PMC to Local PC
 - Update PMC Setting File from Local PC to PMC
 - Update Setting File from One Specific PMC to Other PMC
 - Backup Debug File

Please refer to the following chapter for more detail.

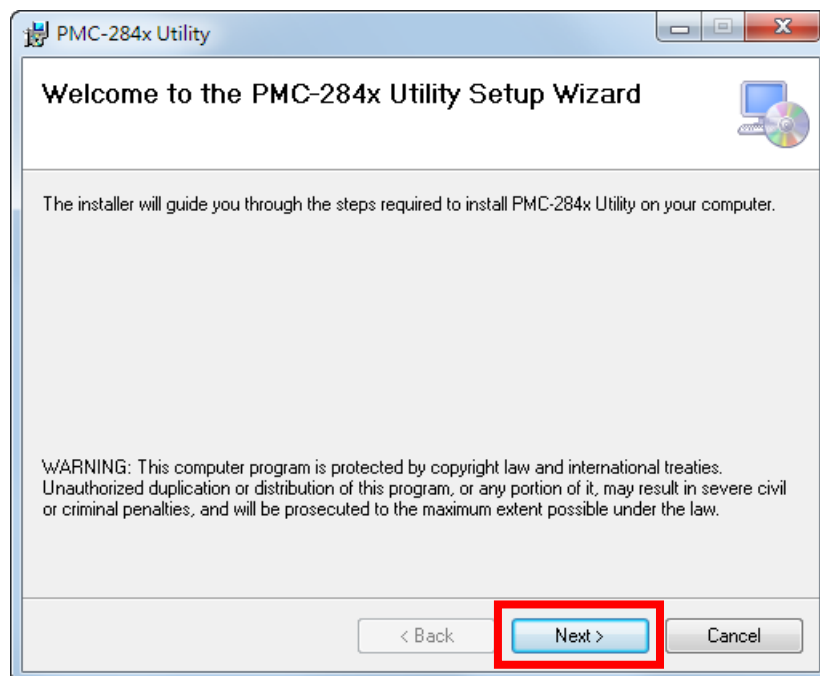
2 Before Software Installation

Before installing ICP DAS PMC-284x Utility, please finishing installation of the PMC-284x hardware, and make sure all wiring connections are accurate (e.g., please refer to the user manual of PMC-284x). The PMC-284x Utility requires the Microsoft .NET Framework version 4.6.2 (or above version) to be installed on the target computer. Please follow the link below to get the framework package directly from Microsoft, if required.

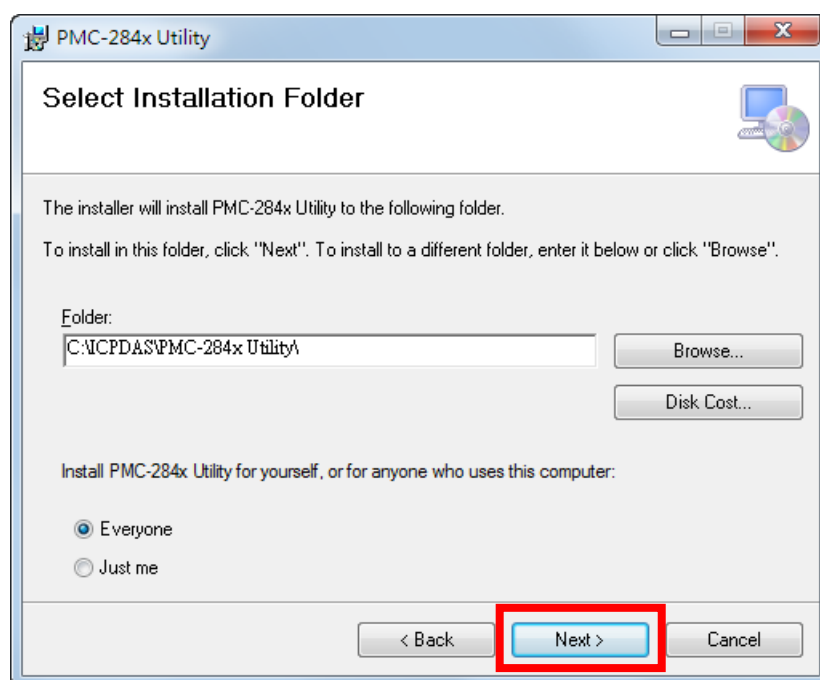
- Download Microsoft .NET Framework:
<https://dotnet.microsoft.com/en-us/download/dotnet-framework>

3 Software Installation

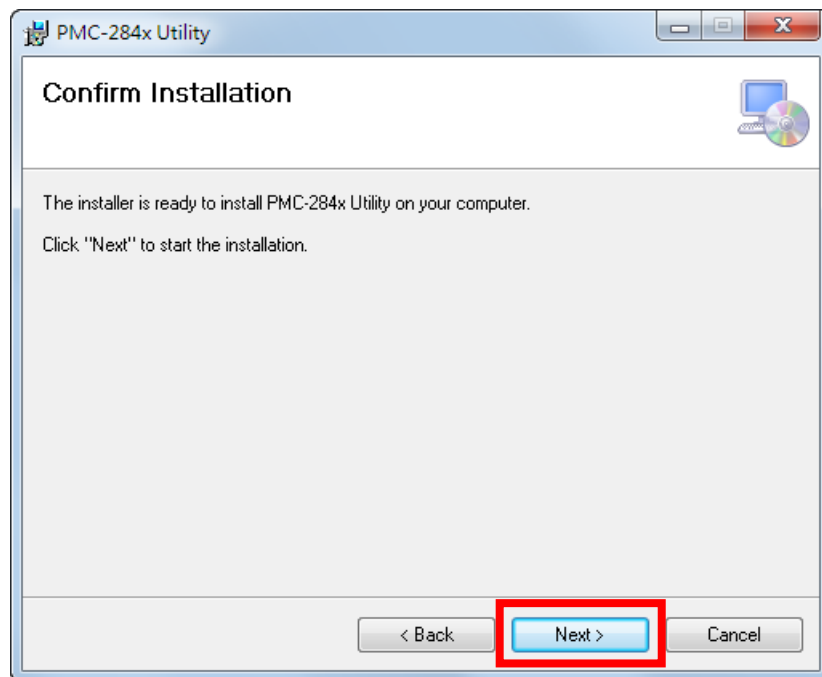
Please contact ICP DAS service or visit ICP DAS PMMS web site to obtain the latest version of the ICP DAS PMC-284x Utility installer. Double click the ICP DAS PMC-284x Utility installer to run the installation. Click [Next] to continue.



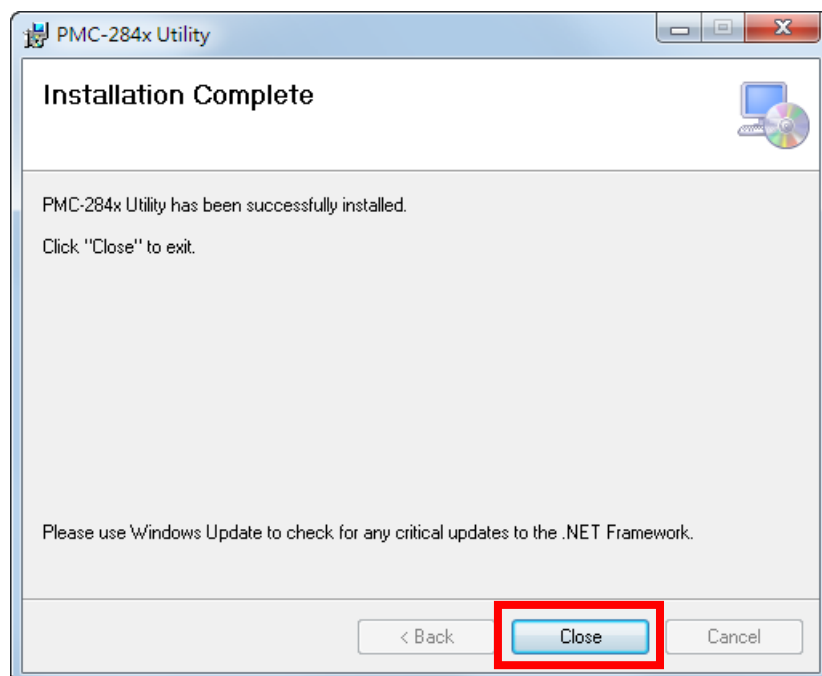
On [Select Installation Folder] page, input path or browse through file dialog box to select the destination folder and select the software user option, click [Next] to continue.



Make sure the settings are accurate. Click [Next] to start the installation.



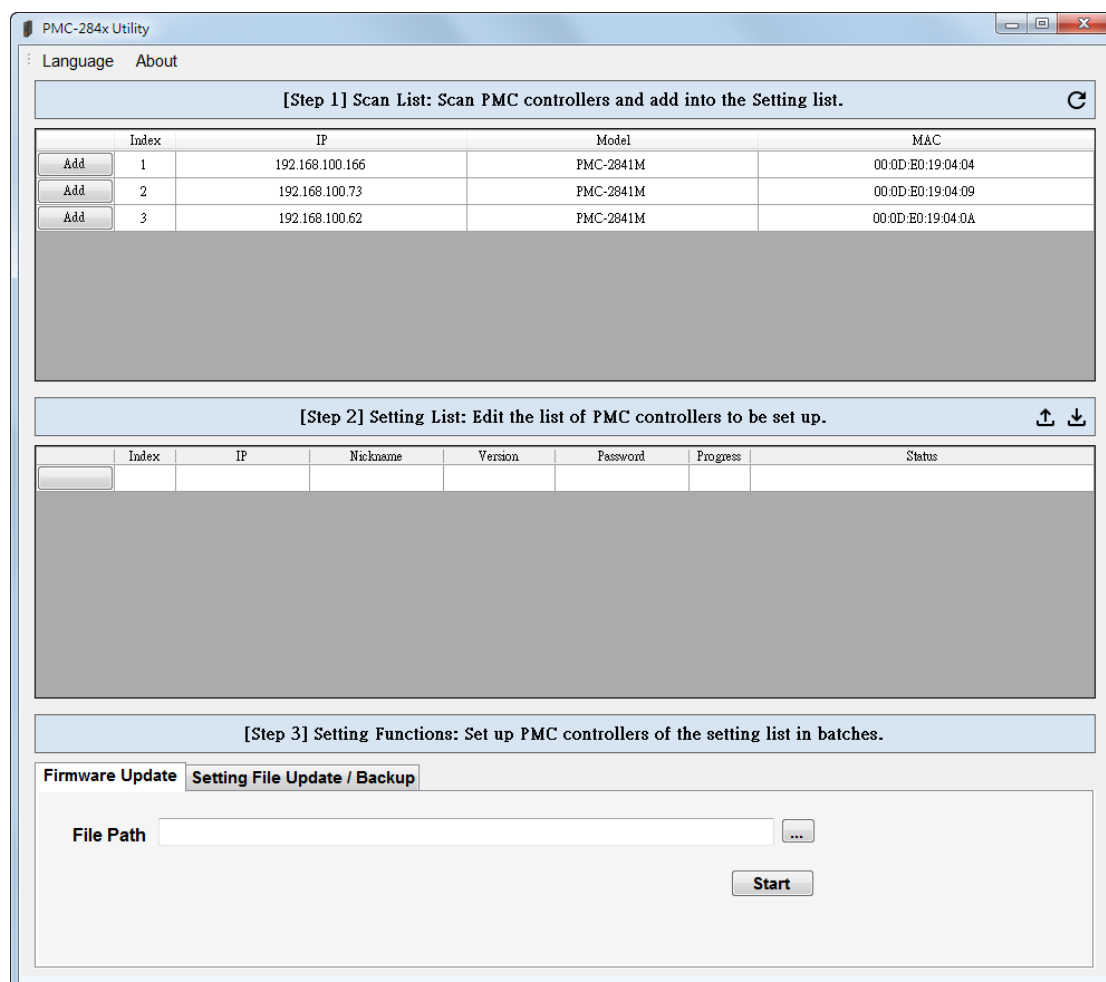
When the installation process is completed, click [Close] to finish installing program.



After the installation is completed, you will find the PMC-284x Utility Shortcut on the desktop.

4 Software Function Introduction

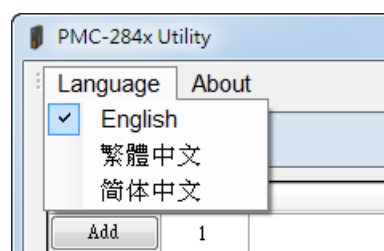
Please refer to the following sections for more detailed information of PMC-284x Utility software tool interface and functions:



4.1 Tool Bar

4.1.1 Changing Display Language

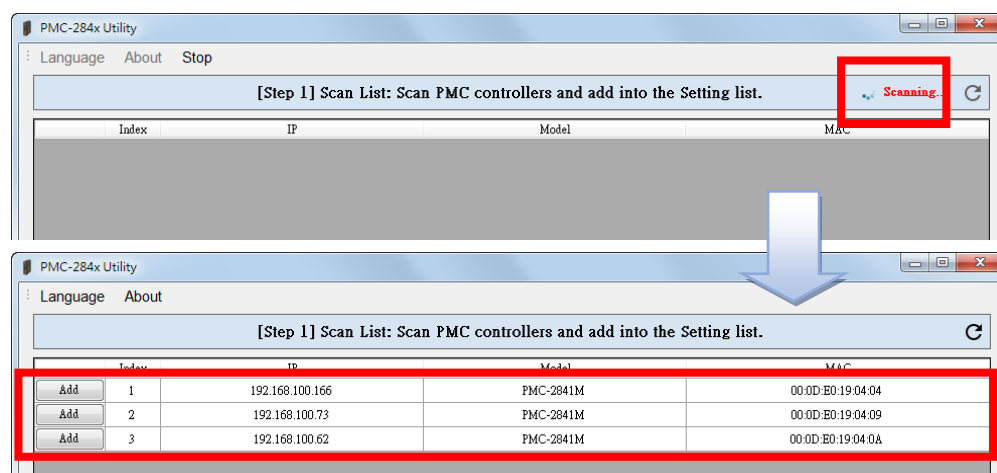
The user can click [Language] to change display language.



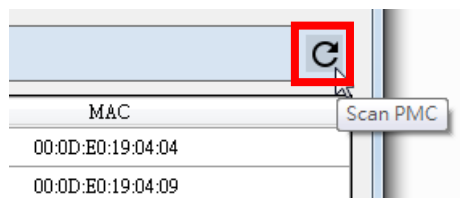
4.2 Scan List

4.2.1 Scan PMC and Show in The Scan List

After starting the software, the software will automatically scan the existed PMC-284x controllers under the same domain. After scanning operation is finished, the PMC-284x controllers will be displayed in the scan list.

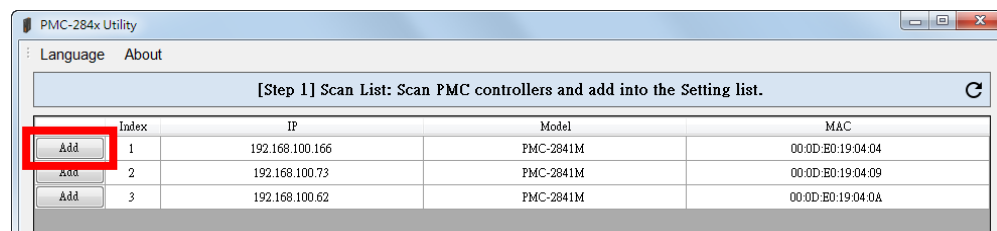


The user can click  button and perform [Scan PMC] function again to scan the controllers.

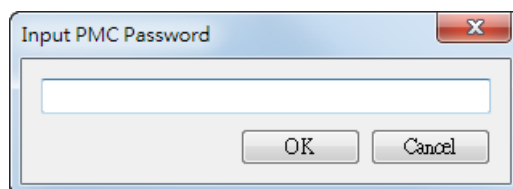


4.2.2 Add PMC to The Setting List

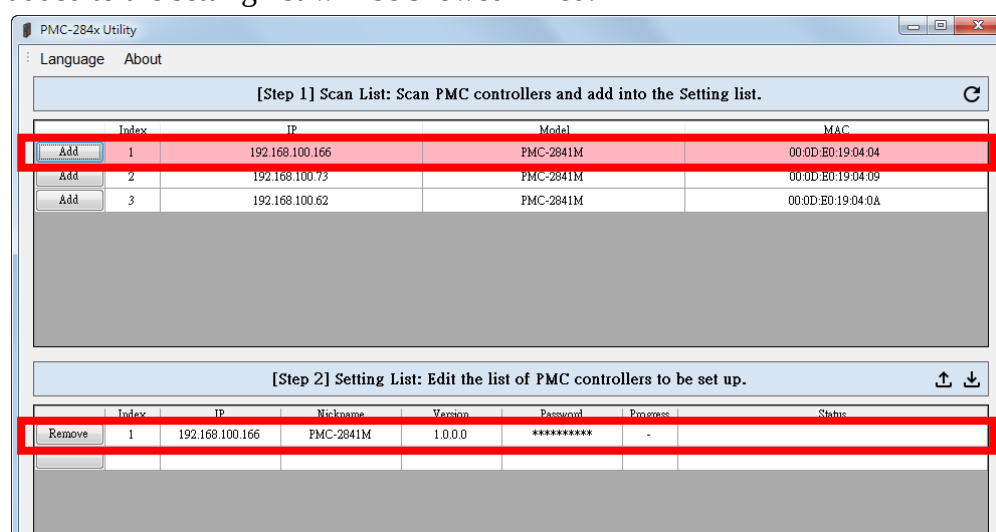
The user can click [Add] button in the scan list to add the PMC-284x controller to be added to the setting list.



After clicking the [Add] button, the [Input PMC Password] windows will pop up. Please enter the administrator password of the PMC-284x controller.



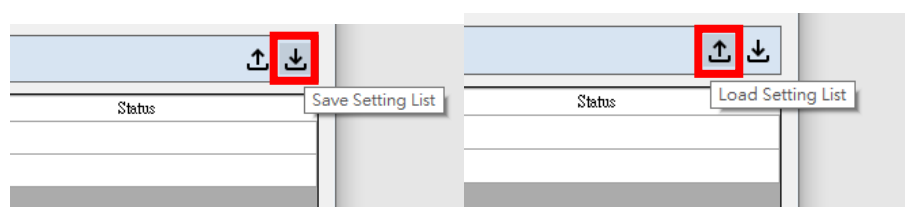
The background color of the controllers in the scan list that have been added to the setting list will be showed in red.



4.3 Setting List

4.3.1 Load Setting List / Save Setting List

The user can click  button and perform [Save Setting List] function to save current setting list, then can click  button to perform [Load Setting List] function to reload the different setting list.



Please note: After performing [Load List File] function, the original setting list will be replaced by the newly loaded setting list.

4.3.2 Remove PMC from The Setting List

The user can click [Remove] button in the setting list to remove the PMC-284x controller from the setting list.

[Step 2] Setting List: Edit the list of PMC controllers to be set up.							
	Index	IP	Nickname	Version	Password	Progress	Status
Remove	1	192.168.100.166	PMC-2841M	1.0.0.0	*****	-	

4.3.3 Manually Add PMC to The Setting List

The user can manually enter the IP address of the PMC-284x controller in the IP field at the last column of the setting list to add that controller to the setting list.

[Step 2] Setting List: Edit the list of PMC controllers to be set up.							
	Index	IP	Nickname	Version	Password	Progress	Status
Remove	1	192.168.100.166	PMC-2841M	1.0.0.0	*****	-	
Remove	2	192.168.1100.60	-	-	-	-	

4.4 Setting Functions

4.4.1 Firmware Update

The user can use [Firmware Update] function to update the firmware on multiple PMC-284x controllers at the same time. Please select the firmware file path and click [Start] button to start the firmware update operation.

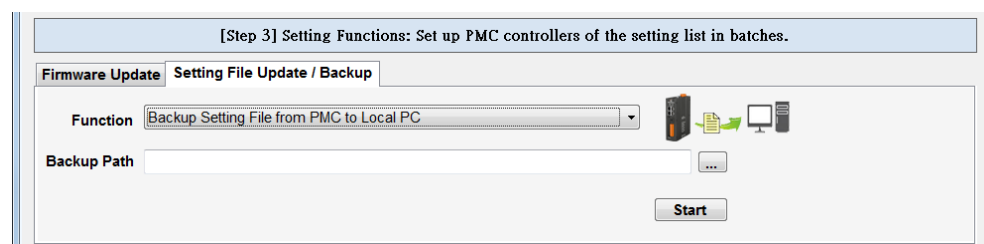
[Step 3] Setting Functions: Set up PMC controllers of the setting list in batches.	
Firmware Update	Setting File Update / Backup
File Path	...
	Start

4.4.2 Setting File Update/Backup

Setting File Update/Backup includes four functions:

- **Backup Setting File from PMC to Local PC**

The user can use [Backup Setting File from PMC to Local PC] function to backup the PMC setting file from PMC-284x controller to local PC.

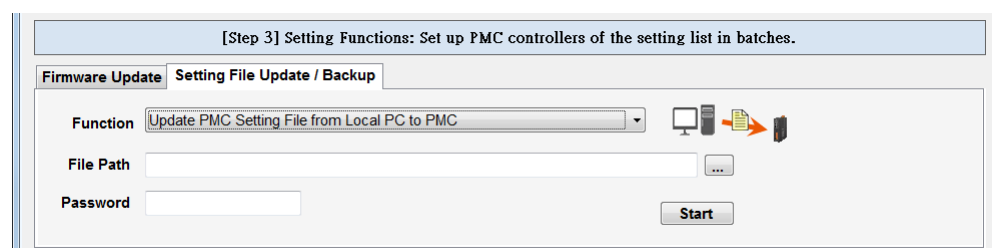


The screenshot shows a software window titled "[Step 3] Setting Functions: Set up PMC controllers of the setting list in batches." It has two tabs: "Firmware Update" and "Setting File Update / Backup". The "Setting File Update / Backup" tab is active. Inside, there is a "Function" dropdown menu set to "Backup Setting File from PMC to Local PC", accompanied by an icon of a server and a PC. Below it is a "Backup Path" text field with a browse button "...". At the bottom right is a "Start" button.

Backup Path: Please select the backup path to save the setting file to the local PC.

- **Update PMC Setting File from Local PC to PMC**

The user can use [Update PMC Setting File from Local PC to PMC] function to update setting file to multiple PMC-284x controllers from the local PC.



The screenshot shows the same software window as above, but the "Function" dropdown menu is set to "Update PMC Setting File from Local PC to PMC", accompanied by an icon of a PC and a server. Below it are two text fields: "File Path" with a browse button "...", and "Password". At the bottom right is a "Start" button.

File Path: Please select the path of the setting file to be updated from the local PC.

Password: The administrator password for the controller from which this setting file was backed up.

● Update Setting File from One Specific PMC to Other PMC

The user can use [Update Setting File from One Specific PMC to Other PMC] function to update the setting file from one specific PMC-284x controller to other multiple PMC-284x controllers.

[Step 3] Setting Functions: Set up PMC controllers of the setting list in batches.

Firmware Update **Setting File Update / Backup**

Function: Update Setting File from One Specific PMC to Other PMC

Source IP: ...

Start

Source IP: Please select the source PMC controller IP address for the setting file update operation.

● Backup Debug File

When the user encounters difficulty in settings and would like to send back the settings to ICP DAS for debug or analysis, please use this function to backup the debug file to the local PC and send this file to ICP DAS.

[Step 3] Setting Functions: Set up PMC controllers of the setting list in batches.

Firmware Update **Setting File Update / Backup**

Function: Backup Debug File

Backup Path: D:\tmp ...

Start

Backup Path: Please select the backup path to save the debug file to the local PC.

4.4.3 The Progress and Status of Setting Functions

For the execution progress and status of all the above setting functions, the user can view the current execution progress and status in the Progress and Status fields in the setting list.

[Step 2] Setting List: Edit the list of PMC controllers to be set up.

	Index	IP	Nickname	Version	Password	Progress	Status
Remove	1	192.168.100.166	PMC-2841M	1.0.0.0	*****	100 %	Backup debug file successfully.
Remove	2	192.168.100.73	PMC-2841M	1.0.0.0	*****	100 %	[Error] Incorrect password.