PMC-5151 Utility Quick Start

[Version 1.0.5]



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Table of Contents

1	Syste	em Desc	cription	1
2	Befor	e Instal	lation	2
3	Softw	are Ins	tallation	3
4	User	Interfac	e Introduction	5
	4.1	Tool B	Bar	6
	4	1.1.1	Changing Display Language	6
	4	1.1.2	Open List File / Save List File	6
	4	1.1.3	Scan PMC	6
	4	1.1.4	Check PMC Info	7
	4	1.1.5	Save Status Log	7
	4.2	PMC	List Area	7
	4	1.2.1	Editing List	7
	4	1.2.2	List Operation	7
	4	1.2.3	The Network Setting of PMC	8
	4	1.2.4	Launch Browser	9
	4.3	Functi	ion Area	9
	4	1.3.1	Firmware Update	9
	4	1.3.2	Rule Update/Backup	9
	4	1.3.3	Web UI Update1	1

1 System Description

This document is intended to provide guidelines for ICP DAS PMC-5151 Utility software tool. This software tool has to be installed on PC and it enables to perform the following functions on PMC-5151 via Ethernet :

- (1) Firmware Update
- (2) Rule File Update and Backup
- (3) Replacement of Web UI Logo or Title

Please refer to the following chapter for more detail.

2 Before Installation

Before installing ICP DAS PMC-5151 Utility, please finishing installation of the PMC-5151 hardware, and make sure all wiring connections are accurate (e.g., please refer to the user manual for PMC-5151).The PMC-5151 Utility requires the .NET framework version 2.0 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 Version 2.0 :

Link 1:

http://www.microsoft.com/en-us/download/details.aspx?id=1639 Link 2:

http://www.microsoft.com/en-us/download/details.aspx?id=16614

 Download Microsoft .Net Framework Version 3.5 : Link 1:

http://www.microsoft.com/en-us/download/details.aspx?id=21 Link 2:

http://www.microsoft.com/en-us/download/details.aspx?id=22

3 Software Installation

Please contact ICP DAS service or visit ICP DAS PMC-5151 Web site to obtain the latest version of the ICP DAS PMC-5151 Utility installer. Double click the ICP DAS PMC-5151 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.

🛃 PMC Utility	
Select Installation Folder	
The installer will install PMC Utility to the following folder.	
To install in this folder, click "Next". To install to a different folder, enter it be	elow or click "Browse".
Eolder:	
C:\ICPDAS\PMC Utility\	Browse
	Disk Cost
Install PMC Utility for yourself, or for anyone who uses this computer:	
◯ Just <u>m</u> e	
Cancel (<u>B</u> ack	<u>N</u> ext >

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

🛃 PMC Utility			
Confirm Installation			
The installer is ready to install PMC Utility o	n your computer.		
Click "Next" to start the installation.			
(Cancel	< <u>B</u> ack	<u>N</u> ext >

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

🙀 PMC Utility	
Installation Complete	
PMC Utility has been successfully installed.	
Click "Close" to exit.	
Please use Windows Update to check for any critical updates to the .NET Framewo	πk.
Cancel < <u>B</u> ack	<u>C</u> lose

After the installation is completed, you will find the PMC-5151 Utility Shortcut on the desktop and in the program menu: [Start] \rightarrow [All Programs] \rightarrow [ICPDAS] \rightarrow [PMC-5151 Utility]

庙 程式集(P)	•	ICPDAS	•	👔 PMC Utility	•	PMC Utility
🙆 文件型	•					Uninstall
📴 設定(3)	•					
🔎 搜尋(C)	•					
🕐 說明及支持	€(<u>H</u>)					
刻 執行(R)						
◎ 關機(U)						
🐉 開始						

4 User Interface Introduction

PMC-5151 Utility software tool Interface is shown as follow :

Tool Bar

Provide quick access to various functions:

- Changing Display Language
- Open List File
- ♦ Save List File
- Scan PMC
- Check PMC Info.
- Save Status Log

PMC List Area

The user can edit PMC List in the PMC List Area.

Function Area

The user can perform operations such as Firmware Update / Rule Operation / Web UI Operation in the Function Area.

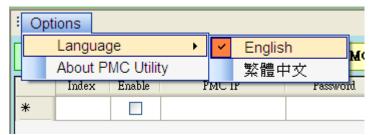
РМС	Utility							
i Opt	tions en List F	ile	Save List File	Scan PMC	Check PM	C Info Sa	ve Status Log	Tool Bar
Ор	Index	Enabl		Password	Nickname	Version		Status
*	Index	Enabl		rassword	Nickname	version	Progress	Status
						1		
								PMC List Area
								I MC LISt AICa
Firmv	ware Up	date	Rule Update/Back	up Web UI Upda	ite			
	Pati	n 🗌						Function Area
								Start

Please refer to the following sections for more detailed information.

4.1 Tool Bar

4.1.1 Changing Display Language

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



4.1.2 Open List File / Save List File

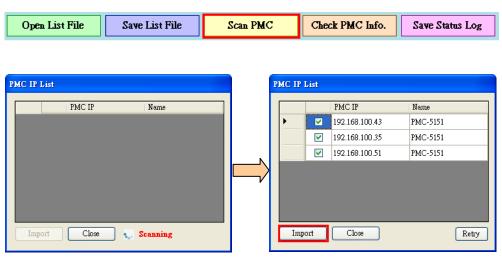
The user can click [Save List File] to save the edited PMC list data to local pc, and allows to reload these data later by [Open List File] function if required.

Open List File	Save List File	Scan PMC	Check PMC Info.	Save Status Log
Open List rue	SAAG TT24 LITE	Scan PMC	Check PMC Into.	Save Status Log

Note: After performing [Open List File] function, the original edited list will be replaced by the newly loaded list file data. Please save your editing list before opening the list file.

4.1.3 Scan PMC

The user can perform [Scan PMC] operation to scan the existed PMC list under the same domain. After scanning operation is finished, the PMC IP List will show the scanning result. User can click [Import] to import the selected PMC lists.



4.1.4 Check PMC Info.

The user can use this function to get PMC-5151 information, such as :

- (1) Nickname
- (2) Firmware Version

(3) Available space on the MicroSD card

OI	pen List Fi	le	Save List File	Scan PMC	Check PM	C Info. Sav	re Status Lo)g
	Index	Enable	PMC IP	Password	Nickname	Version	Progress	Status
	0		192.168.100.61	****	PMC-5151	1.0.0	100 %	Available space on the microSD card ÷ 3723.477 MB
	1	V	192.168.100.166	***	PMC-5151	1.2.1	100 %	Available space on the microSD card ÷ 1604.781 MB
▶*								

Note : It is recommended running this function before performing the operations in the [Function Area]. This function allows checking the validity of the PMC password and the available space on the microSD card.

4.1.5 Save Status Log

The user can use this function to save the status log after performing the functions in the [Function Area].

Open List File Save List File	Scan PMC	Check PMC Info.	Save Status Log
-------------------------------	----------	-----------------	-----------------

4.2 PMC List Area

4.2.1 Editing List

Before performing the function in the [Function Area], it is required to edit the PMC list first. There are three ways to edit the PMC list :

- (1) Run 4.1.3 Scan PMC function and import PMC list data
- (2) Run 4.1.2 Open List File function
- (3) Manually input PMC IP and Password

4.2.2 List Operation

	Index	Enable	PMC IP	Password	Nickname	Version	Progress
•	0	~	192.168.100.38	kokokokokokokok	PMC-5151	220	100 %
	1	~	192.168.100.170	*****	PMC-5151	Enable All Disable All	%
*						Clear All	
						Network Settin	g
						Launch Brows	er

Right click on the PMC list table, and the operation dropdown list will be displayed:

Enable All : Enable all PMCs on the list.

Disable All: Disable all PMCs on the list.

Clear All : Delete all list data.

Note: Only the enabled PMC will run the specified function performed in the [Function Area].

4.2.3 The Network Setting of PMC

	Index	Enable	PMC IP	Password	Nickname		Version	Progress
•	0	•	192.168.100.38	***	PMC-5151		220	100 %
	1	~	192.168.100.170	*****	PMC-5151		Enable All Disable All	%
*							Clear All	
							Network Setting	
						_	Launch Browser	

The user can click "Network Setting" to setup the detailed network settings of PMC, the setting UI is as following:

PMC IP :	192.168.100	.38	Connec					
	LAN-1				LA	N-2		
IP		- e		IP				
Submask	1	1		Submask				
Gateway	1	1		Gateway			1	
DNS	1	1.1		DNS			1	
	Save				Sa	ve		

Click "Connect" button to retrieve the detailed network setting of the selected PMC. After modifying the settings of LAN1 or LAN2, please click "Save" button to update the network settings of the selected PMC.

letwork Sett	ling 192.168.100.38	Connec	t		E
	LAN-1			LAN-2	
IP	192 . 168 . 100 . 38		IP	192 . 168 . 100 . 39	
Submask	255 . 255 . 255 . 0		Submask	255 . 255 . 255 . 0	
Gateway	192 . 168 . 100 . 254		Gateway	192 . 168 . 100 . 254	
DNS	8.8.8.8		DNS	8.8.8.8	
	Save			Save	
Message : Retrieve PMC network setting successfully.					

4.2.4 Launch Browser

The user can click "Launch Browser" button to launch the default browser, and the URL field will be filled as the IP address of the selected PMC automatically.

4.3 Function Area

4.3.1 Firmware Update

The user can use [Firmware Update] function to update firmware on multiple PMCs at the same time. The operation UI is as the following:



Please select the firmware path, and click start button to start the update operation.

4.3.2 Rule Update/Backup

Rule Update/Backup includes four functions :

Backup Rule

The user can use [Backup Rule] function to backup PMC Rule file to local PC. The operation UI is as the following :

Firmware Update Rule Update/Backup Web UI Update	
Function Backup Rule	
Backup Path	
Password Protected	
Retype Password	Start

Backup Path : Please select the backup path.

Password Protected : Please input password to protect the backup rule file.

Note: The backup rule file will be saved in ZIP format; it is required to input the password previously set to unzip the file to avoid unauthorized access to the file.

Update Rule From Local PC

The user can use [Update Rule From Local PC] function to update Rule file to multiple PMCs from the local pc. The operation UI is as the following:

Firmware Update Rule Update/Backup Web UI Update	
Function Update Rule From Local PC 🔽 🔽 📑 📲	
Path	
Password	
	Start

Path : Please select rule file path.

Password : Please input the password of the rule file.

Update Rule From Other PMC

User can use [Update Rule From Other PMC] function to update the Rule file to multiple PMCs from one specific PMC. The operation UI is as the following:

Firmware Update	Rule Update/Backup	Web UI Update	
Function	odate Rule From Other Pl		
Source IP			
			Start

Source IP : Please Click ... to select source PMC on the PMC IP List.

Backup Debug File

When the user encounters difficulty in Rule settings and would like to send back the rule file to ICP DAS for debug or analysis, please use this function to backup the rule file to the local PC and send this file to ICP DAS. This Debug file will be encrypted for safety reasons and will be decrypted later by ICP DAS for further analysis



4.3.3 Web UI Update

The user can use [Web UI Update] function to update the Logo and Title on web page. The operation UI is as the following :

Firmware Update	Rule Update/Backup Web UI Update
Logo Path	Logo Recommended Size [width: 400px height: 70px]
Title Text	
	Reset Start

Logo Path : Please select the logo path.

Title Text : Please input the title text.

🏉 PMMS - I	CP DAS - Windows Intern	et Explorer	
C -	@ http://192.168.100.166/#	home!logout	🖌 🗲 🗙 🎥 Live Search
: 檔案 🕑 🖇	鳥輯(E) 檢視(V) 我的最	愛(≜) 工具(I) 説明(H)	
🚖 我的最愛	🏉 PMMS - ICP DAS		🟠 • 🗟 · 🖃 🖶 • 網頁(D • 安全性(S) • 工具(D • 🕢 • 🂙
	Title Tex	xt	
8	Power Monit ICP DAS Co., Ltd.	or & Management System	Name: PMC-5151 Password: Language: English Remember me Login
	Logo In	nage	
完成			● 網際網路

The replaceable Logo and Title on web page is shown as below:

If the user wants to reset the web page to default setting, please click the [Reset] button.

Firmware Update	Rule Update/Backup Web UI Update
Logo Path	Logo Recommended Size [width: 400px height: 70px]
Title Text	
	Reset