如何使用 PFN_Tool 設定 PROFINET 設備的 裝置名稱與網路設定?

Step 1: 下載 PFN_Tool software.

ftp://ftp.icpdas.com.tw/pub/cd/fieldbus_cd/profinet/utility/

Step 2: 執行 "PFN_Tool.exe"

٩	PFN_Tool (Ver	sion 1.0)				(
N	Network Devices : adapter Realtek 10/100/1000 Ethemet NIC			(Microsoft's Packet Scheduler) ' on local hos				
	Search Start							
	Live List							
	Туре	Name	IP	Mask	Gateway	Mac		
	<			1			>	

Step 3: 選取 PC 上與 PROFINET 模組連接的網路卡並按下 "Search Start".

Representation of the second s	rsion 1.0)						
Network Devices :	adapter Realtek 10/11 Network adapter VM Network adapter Res Network adapter VM	10/1000 Ethernet NIC ware Virtual Ethernet Adapt ltek 10/100/1000 Ethernet N ware Virtual Ethernet Adapt	(Micra) er' on local host IC er' on local host	osoft's Packet Scher (Microsoft's Par	duler) 'on local host cket Scheduler) 'on k		
Туре	PFN_Tool (Ve Network Devices :	rsion 1.0) adapter Realtek 10/100/10	000 Ethernet NIC		(Microsoft's Packet Sc	heduler) 'on	local hos
			Search	ı Start			
	Туре	Name	IP	Mask	Gateway	Mac	

Step 4: Live List 會列出網路上的所有 PROFINET 設備 (Note *)

V PFN	PFN_Tool (Version 1.0)								
Networ	letwork Devices : Network adapter Realtek 10/100/1000 Ethernet NIC (Microsoft's Packet Scheduler) ' on 💌								
	Search Start								
Live	List								
	Туре	Name	IP	Mask	Gateway	Mac			
	PFN-2055	pfn-2000	0.0.0	0.0.0.0	0.0.0.0	00:0D:E0:17:00:01			
	37-IC	icpuas-10400bab	192.100.1.190	255.255.0.0	192.100.0.294	00.1D.7D.AA.D0			
	SIMATIC-PC	ryan-pc	192.168.77.77	255.255.0.0	192.168.0.254	6C:F0:49:AC:51:			
	SIMATIC-PC		0.0.0.0	0.0.0.0	0.0.0.0	6C:F0:49:6E:42:9A			
<									

Step 5: 雙擊 PROFINET 模組開啟模組基礎設定介面

	k Devices : Netwo	rk adapter Realtek 1	0/100/1000 Ethem	et NIC	(Microsoft's P	acket Scheduler) 'on
(1	搜尋模組		Searc.	h Start		
Live L	ist					
	Туре	Name	IP	Mask	Gateway	Mac
	PFN-2055	pfn-2000	0.0.0.0	0.0.0.0	0.0.0.0	00:0D:E0:17:00:0
	S7-PC				3.0.254	00:1D:7D:AA:B8:
雙專	≹模組	Basic Configurat	ion	l l	3 .0.254	6C:F0:49:AC:51:
N	SIMA Devic Devic Devic Devic IP Ad	e Information e Type : PFN-20. e Name : pfn-200 dress : 0.0.0.0	55 10			6C:F0:49:6E:42:9
1	Subne Gatew Mac J	et Mask : 0.0.0.0 vay : 0.0.0.0 Address : 00:0D:E	80:17:00:01			
	Subne Gatew Mac J	et Mask : 0.0.0.0 vay : 0.0.0.0 Address : 00:0D:E re Name Configure	20:17:00:01			
	Subne Gatew Mac J Devic	et Mask : 0.0.0.0 vay : 0.0.0.0 Address : 00:0D:E e Name Configure e Name : pfn-20	20:17:00:01 DO		Set	
	Subne Gatew Mac J Devic Devic	et Mask : 0.0.0 vay : 0.0.0 Address : 00:0D:E ee Name Configure ee Name : pfn-200 ork Configure	00:17:00:01 00		Set	
	Subm Gatew Mac J Devic Devic Netwo IP Ad	et Mask : 0.0.0 vay : 0.0.0 Address : 00.0D:E e Name Configure e Name : pfn-200 ork Configure idress : 0.0.0.0	00:17:00:01 00		Set	
	Subme Gatew Mac J Devic Devic IP Ad Subme	et Mask : 0.0.0.0 vay : 0.0.0 Address : 00.0D:E e Name Configure e Name : pfn-200 ork Configure ddress : 0.0.0.0 et Mask : 0.0.0.0	20:17:00:01		Set	
<	Subme Gatew Mac J Devic Devic Netwo IP Ad Subme Gatew	et Mask : 0.0.0.0 vay : 0.0.0 Address : 00:0D:E ee Name Configure ee Name : pfn-200 ork Configure idress : 0.0.0.0 et Mask : 0.0.0.0 vay : 0.0.0.0	20:17:00:01		Set	

Step 6: 設定模組名稱

Device Basic Configuration			
Device Information Device Type : PFN-2055 Device Name : pfn-2000 IP Address : 0.0.00 Subnet Mask : 0.0.00 Gateway : 0.0.00 Mac Address : 00:0D:E0.000 1	01		
Device Name : pfn-2000		Set	2 按「Set」鈕
Network Configure			
IP Address : 0.0.0.0	Information		
Subnet Mask : 0.0.0.0	i) Set 'device n	ame' sucess.	
Gaeway : 0.0.0	· 確定	<u>ן</u>	

Step 7: 設定網路參數 (Note **)

IP Address 需與 PC 網路卡的 IP 在相同網域下.

EX: PC's IP = 192.168.1.110

module's IP = 192.168.1.111

Device Informat	ion PEN 2055	Informat	tion	
Device Type Device Name IP Address Subnet Mask Gateway	pfn-2000 192.168.0.111 255.255.255.0 192.168.0.254	į)	Set 'network configu	re'sucess.
Mac Address :	00:0D:E0:17:00:01		確定	5
Device Name :	pfn-2000	Ϋ́.	Set	
Network Config	ure			
IP Address :	192.168.0.111			按「Set
Subnet Mask :	255.255.255.0			
Gateway :	192.168.0.254		Set	

Connection-specific DNS	Suffix .							
Description			Realtek RTL8168C(P)/8111C(P)	PCI-E	Gigabit	Ethernet	NIC
Physical Address			6C-F0-49-AC-51-8B	3				
Dhcp Enabled		:	No					
IP Address			192.168.0.110					
Subnet Mask			255.255.255.0					
Default Gateway			192.168.0.254					
DNS Servers		:	168.95.1.1					

NOTE:

 * 當你搜尋網路,找不到任何 PROFINET 模組時,請開啟程式目錄下(C:\Program Files\ICPDAS\PROFINET\PFN_Tool)的 " configure.ini" · 在 Static_Mac 欄位填 入 Enable · Mac_Addr 欄位填入網路卡 MAC 位址

	📕 configure - Notepad	
	<u>F</u> ile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp	
	[ETHERNET_INTERFACE] Static_Mac=Enable Mac_Addr=6C:F0:49:AC:51	I 🗖 1:8B
		× .::
Connection-specific DNS Su	uffix . :	
Description	: Realtek RTL8168C(P)/	/8111C(P) PCI-E Gigabit Ethernet NIC
Physical Address	: 6C-F0-49-AC-51-8B	
Jhcp Enabled	: NO	
IP Address	: 192.168.0.110	
Subnet Mask	: 255.255.255.0	
Default Gateway	: 192.168.0.254	
DNS Servers	: 168.95.1.1	

* * 當 PROFINET 模組與 PROFINET 控制器連線後(S1A LED=ON & S2A LED= ON)·模

組名稱與網路參數將無法設定。

Епот 🔀	Епог	
Set 'device name' failed.	8	Set 'network configure' failed.
確定		確定