# How to set device name and Network parameter using PFN-Tool?

Step 1: Download the PFN\_Tool software. <u>ftp://ftp.icpdas.com.tw/pub/cd/fieldbus\_cd/profinet/utility/</u>

### Step 2: Double click "PFN\_ Tool.exe"

RFN_Tool (Version 1.0)							
Net	work Devices :	ədapter Realtek 10/100/1	1000 Ethernet NIC		(Microsoft's Packet Sc	heduler) ' on local f	105 <b>. 🗸</b>
			Search	Start			
Li	ive List						
	Туре	Name	IP	Mask	Gateway	Mac	
	· ][						

Step 3: Select network device that connect with PROFINET modules, and press "Search Start" button.

🔍 PFN_Tool (Ver	sion 1.0	)						
Network Devices :	adapter ' Network Network Network	Realtek 10/100/1000 : adapter "VMware V : adapter Realtek 10 : adapter "VMware V	D Ethemet NIC irtual Ethemet Adap /100/1000 Ethemet irtual Ethemet Adap	(Mi nter' on local host NIC nter' on local host	crosoft's Packet Schee (Microsoft's Pae	duler) ' on local host cket Scheduler) ' on lo	<b>∽</b> 0C8	
Туре	🔍 PFI	f_Tool (Version	1.0)					
	Netw	ork Devices : adap	ter Realtek 10/100/.	1000 Ethernet NIC		Microsoft's Packet Sc	heduler) 'on	local host 🗸
				Sea	rch Start			
	Liv	e List						
		Туре	Name	IP	Mask	Gateway	Mac	

Step 4: Live List will show all of the PROFINET devices on the same network of network device.(Note \*)

٩	PFN_Tool (Yersion 1.0)						
	Network	Devices : Networ	k adapter Realtek 10/10	00/1000 Ethernet N	IC	(Microsoft's Pa	cket Scheduler) ' on 💌
				Search St	eurt		
	Live Li	ist					
		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	icpdas-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: Double click module.

Network	Devices : Netwo	ork adapter Realtek 1	0/100/1000 Ethem	et NIC	(Microsoft's Pa	acket Scheduler) ' on
	Search	Module	Searcl	n Start		
-Live Li	Ist Type	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
Double	S7-PC Device	Basic Configurati	on		3.0.254	00:1D:7D:AA:B8 6C:F0:49:AC:51:
	Devi Devi IP A Subr Gate Mac	ce Type : PFN-205 ce Name : pfn-200 ddress : 0.0.0 uet Mask : 0.0.0 way : 0.0.0 Address : 00:0D:E ce Name Configure	55 0 0:17:00:01			
	Devi	ce Name : pfn-200	0		Set	
	Netw	ork Configure				
<	IP A	ddress : 0.0.0.0				Ĩ
	Subr	net Mask : 0.0.0.0				
	Gate	way : 0.0.0.0			Set	
Advanced Settings					Settings	

#### Step 6: Set device name.

Device Basic Configuration			
Device Information Device Type : PFN-2055 Device Name : pfn-2000 IP Address : 00.0.0 Subnet Mask : 0.0.0 Gateway : 0.0.0 Mac Address : 00:01	Set device name		
Device Name : pfn-2000		Set	2 Press 「Set」 button
Network Configure			
IP Address : 0.0.0.0 Subnet Mask : 0.0.0.0 Gateway : 0.0.0.0	Information	Ce name' sucess.	
	HEAC		

## Step 7: Set network parameters. (Note \*\*)

The network parameter of PFN-2000 module must have the same domain and different IP with PC.

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EX: PC's IP = 192.168.1.110
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```
module's IP = 192.168.1.111
```

Device Informat	ion	Informat	tion		X
Device Type : Device Name : IP Address : Subnet Mask : Gateway	pfn-2055 192.168.0.111 255.255.255.0 192.168.0.254	<b>(</b>	Set 'network	a configure' su	cess.
Mac Address : 00:0D:E0:17:00:0			確定		
Device Name :	pfn-2000			Set	
Network Config	ure				
IP Address :	192.168.0.111				Press
Subnet Mask :	255.255.255.0				button
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
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:

If you can't find the module by searching the network. Please open the file"configure.ini" (default path = C:\Program Files\ICPDAS\PROFINET\PFN\_Tool). In this file, please set Static\_Mac=Enable & Mac\_Addr= MAC address of network device.



Connection-specific DNS	Suffix		
Description		:	Realtek RTL8168C(P)/8111C(P) PCI-E Gigabit Ethernet NIC
Physical Address		:	6C-F0-49-AC-51-8B
Uhcp 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

\* \* When PROFINET controller connect to module (S1A LED=ON & S2A LED=ON), user can't set device name and network parameters.

