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# How to use FRnet modules in NAPOPC\_CE5?

Applies to:

Platform	OS version	NAPOPC version
WinPAC / ViewPAC	CE5	NAPOPC_CE5 v2.20

If you want to exchange data between WinPAC/ViewPAC and FRnet modules, you have to plug **I-8172W** in your WinPAC/ViewPAC, so as to communicate with FRnet modules.

#### Before operating, let's clarify Receiver Address and Sender Address:

On the manual of FRnet DI modules, it may just show the "Sender Address" is between 8 to 15. However, In NAPOPC, we have to set "Receiver Address" the same as the "Sender Address" of FRnet DI modules.

Actually, "sender" and "receiver" have opposite relationship. For example, FRnet DI module gets a DI signal, and "send" it to NAPOPC. In this situation, NAPOPC plays the role of "receiver". On the contrary, we "send" command from NAPOPC to the DO module, and the role of DO module is "receiver". Please follow this rule to set FRnet modules in NAPOPC.

FRnet modules are not supported by "Search" function, you can only add FRnet modules manually:

#### Step 1 Add FRnet DI module (Example: FR-2053)

Click "Device" on the Toolbar to add new device.

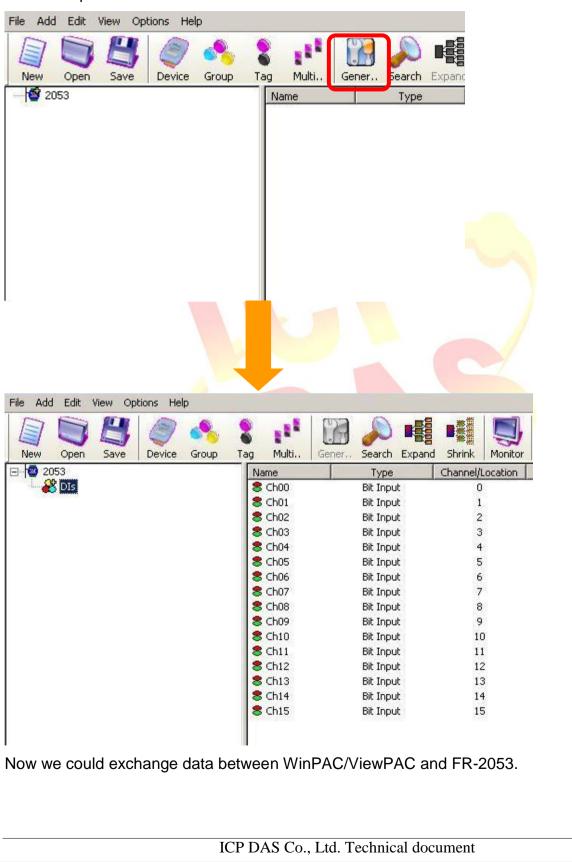


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It will show you Select Device C DCON Device Name 20 Board Setting	the dialog as <b>FRnet</b> 153 Port : 1	below:	: module		ne Port you us		
FR- 055	Receiver Addres	1000 C	Receiver Ac	ddress, m	nust be the sa	me as	
		». jo			f the FRnet DI		
Module nam	IE	OK	Cancel				
After setting up	, just click " <mark>Ok</mark>						
		ICP DAS	Co., Ltd. Tech	nical doc	cument		

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### Step 2

**FR-2053 is added, now click** "Generate Tags", and it will add all tags for you according to FR-2053 specification.



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Step 3 Add F	FRnet DO mod he procedure is ss" instead of "F	<b>ule (Exa</b> s the sam	mple: FR-205 ne as before, t Address".	57)			
- Board Setting -	ort : 1			17214/			
FRnet module Se FR- 2057 Module name	tting Receiver Address Sender Address		Sender Ad	ldress, r	nd the Port you nust be the sa s" of the FRnet	me as	
		ICP DAS	Co., Ltd. Tech	nical doc	cument		

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## Step 4

The following procedure is the same as add FR-2053. Click "Generate Tags" to add tags, then it's done.

New Open Save	tions Hel	Group	Tag Multi	Gener	Ja 5earch	Expand	Shrink	Monitor
2053			Name		Туре		Channel/I	
2057								
File Add Edit View Op	tions Hel	p						
	9		8 11					
New Open Save	Device	Group	Tag Multi	Gener	Search	Expand	Shrink	Monitor
£ <mark>1</mark> 2053	Device	<b>%</b>	Name		Туре	Expand	Channel/I	Location
E 🥹 2053 2057	Device	<b>%</b>	Name S Ch00	1	Type Bit Outpi	Expand	Channel/I 0	Location
2053	Device	<b>%</b>	Name S Ch00 S Ch01		Type Bit Outpi Bit Outpi	Expand ut ut	Channel/I 0 1	Location
- 100 2053 - 100 2057	Device	<b>%</b>	Name \$ Ch00 \$ Ch01 \$ Ch02		Type Bit Outpi Bit Outpi Bit Outpi	Expand ut ut ut	Channel/I 0 1 2	Location
- 12 2053 - 12 2057	Device	<b>%</b>	Name Ch00 Ch01 Ch02 Ch02 Ch03		Type Bit Outpo Bit Outpo Bit Outpo Bit Outpo	Expand Jt Jt Jt Jt	Channel/I 0 1 2 3	Location
- 100 2053 - 100 2057	Device	<b>%</b>	Name Ch00 Ch01 Ch02 Ch02 Ch03 Ch03 Ch04		Type Bit Outpi Bit Outpi Bit Outpi Bit Outpi Bit Outpi	Expand Jt Jt Jt Jt Jt	Channel/I 0 1 2 3 4	Location
- 100 2053 - 100 2057	Device	<b>%</b>	Name Ch00 Ch01 Ch02 Ch03 Ch03 Ch04 Ch04 Ch05		Type Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo	Expand Jt Jt Jt Jt Jt Jt Jt	Channel/I 0 1 2 3 4 5	Location
- 100 2053 - 100 2057	Device	<b>%</b>	Name Ch00 Ch01 Ch02 Ch03 Ch04 Ch04 Ch05 Ch06		Type Bit Outpu Bit Outpu Bit Outpu Bit Outpu Bit Outpu Bit Outpu Bit Outpu	Expand Jt Jt Jt Jt Jt Jt Jt	Channel/I 0 1 2 3 4 5 6	Location
- 100 2053 - 100 2057	Device	<b>%</b>	Name Ch00 Ch01 Ch02 Ch03 Ch04 Ch05 Ch06 Ch06 Ch07		Type Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo	Expand ut ut ut ut ut ut ut ut ut	Channel/I 0 1 2 3 4 5 6 7	
- 100 2053 - 100 2057	Device	<b>%</b>	Name           \$ Ch00           \$ Ch01           \$ Ch02           \$ Ch03           \$ Ch04           \$ Ch05           \$ Ch06           \$ Ch07           \$ Ch08		Type Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo	Expand Jut Jut Jut Jut Jut Jut Jut Jut Jut Jut	Channel/I 0 1 2 3 4 5 6 7 7 8	
- 100 2053 - 100 2057	Device	<b>%</b>	Name Ch00 Ch01 Ch02 Ch03 Ch04 Ch05 Ch06 Ch06 Ch07		Type Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo Bit Outpo	Expand ut ut ut ut ut ut ut ut ut ut	Channel/I 0 1 2 3 4 5 6 7	
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- 100 2053 - 100 2057	Device	<b>%</b>	Name Ch00 Ch01 Ch02 Ch03 Ch04 Ch05 Ch06 Ch07 Ch08 Ch08 Ch09 Ch10		Type Bit Outpo Bit Outpo	Expand Jut Jut Jut Jut Jut Jut Jut Jut	Channel/I 0 1 2 3 4 5 6 7 8 9 9 10	Location
- 100 2053 - 100 2057	Device	<b>%</b>	Name           © Ch00           © Ch01           © Ch02           © Ch03           © Ch04           © Ch05           © Ch06           © Ch07           © Ch08           © Ch09           © Ch10           © Ch11           © Ch12           © Ch12           © Ch13		Type Bit Outpu Bit Outpu	Expand Jt Jt Jt Jt Jt Jt Jt Jt Jt Jt	Channel/I 0 1 2 3 4 5 6 7 7 8 9 10 1 1	Location
2053 2057	Device	<b>%</b>	Name           © Ch00           © Ch01           © Ch02           © Ch03           © Ch04           © Ch05           © Ch06           © Ch07           © Ch08           © Ch09           © Ch10           © Ch11           © Ch12           © Ch13           © Ch13           © Ch14		Type Bit Outpu Bit Outpu	Expand Jut Jut Jut Jut Jut Jut Jut Jut	Channel/I 0 1 2 3 4 5 6 7 8 9 10 11 12 11 12 11 12 11 14	Location
<ul> <li>2053</li> <li>2057</li> </ul>	Device	<b>%</b>	Name           © Ch00           © Ch01           © Ch02           © Ch03           © Ch04           © Ch05           © Ch06           © Ch07           © Ch08           © Ch09           © Ch10           © Ch11           © Ch12           © Ch12           © Ch13		Type Bit Outpu Bit Outpu	Expand Jut Jut Jut Jut Jut Jut Jut Jut	Channel/I 0 1 2 3 4 5 6 7 7 8 9 10 11 11 12 13	Location
<ul> <li>2053</li> <li>2057</li> </ul>	Device	<b>%</b>	Name           © Ch00           © Ch01           © Ch02           © Ch03           © Ch04           © Ch05           © Ch06           © Ch07           © Ch08           © Ch09           © Ch10           © Ch11           © Ch12           © Ch13           © Ch13           © Ch14		Type Bit Outpu Bit Outpu	Expand Jut Jut Jut Jut Jut Jut Jut Jut	Channel/I 0 1 2 3 4 5 6 7 8 9 10 11 12 11 12 11 12 11 14	Location