




## Chapter 11    LSIS: XGK PLC

### 11.1 PLC List

InfoU is able to connect to XGK PLC.

PLC	CPU module	Connection method	Comm. method	Connection Module	Remarks
XGK	CPUH CPUA CPUS CPUE CPUU	CPU direct connection	RS-232C	CPU Module	-
		Link	RS-232C	XGL-C22A XGL-CH2A	Cnet
		Link	RS-422/485	XGL-C42A XGL-CH2A	Cnet
		Link	Ethernet	XGL-EFMT	-
		Link	EtherNet/IP	XGK-EIPT	-

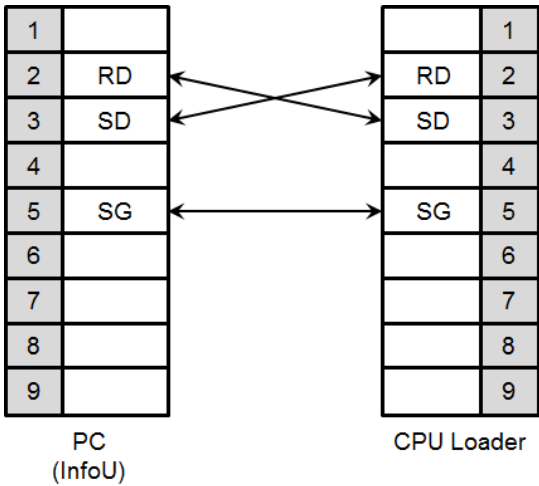
#### Notice

1. PLC
-  Fiber-optic Ethernet module (XGL-EFMF) is not supported.
2. Terminology
-  CPU module direct connection: executes serial communication through the loader port of the CPU module.
-  Link: executing serial communication with the communication module of the PLC.

11.2 Wiring Diagram

11.2.1 CPU module direct connection method: Loader

InfoU와 XGK PLC를 CPU모듈 직결 방식(RS-232C)으로 연결할 때는 다음과 같습니다.



Notice

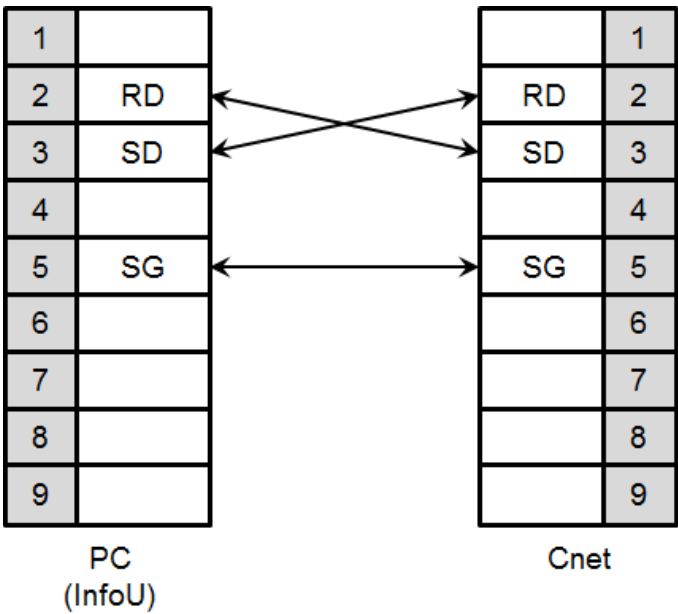
Cautions when wiring cable

- ☞ In the CPU module loader port is a CPU module that provides built-in Cnet. Be careful not to connect to other pins when wiring.
- ☞ CPU module loader port is D-SUB 9P, Female. Use a Male connector when wiring the cable.

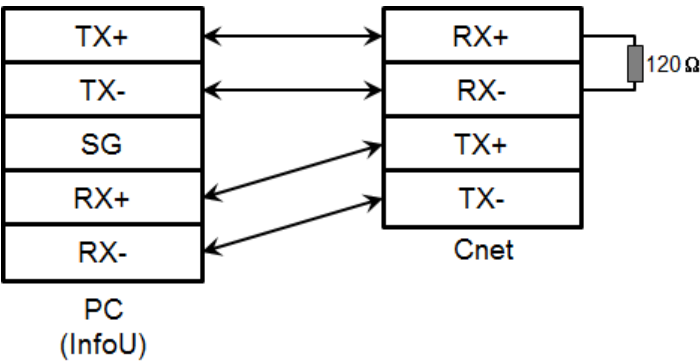
11.2.2 Link method: Cnet

Cnet is specified into RS-232C and RS-422/485 type.

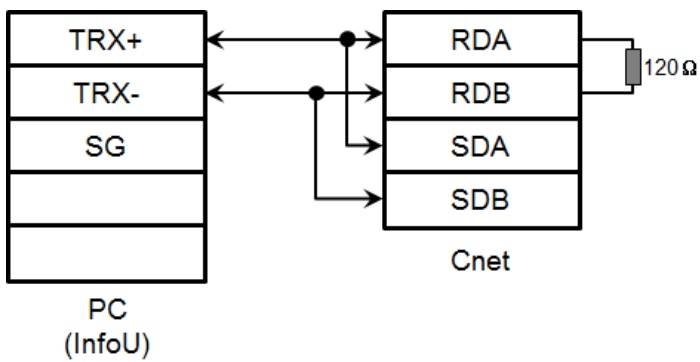
Below is the wiring of RS-232C Cnet.



RS-422 wiring is as below.



RS-485 wiring is as below.



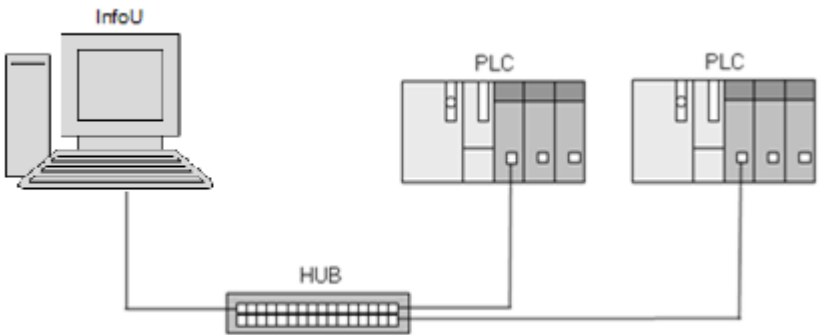
**Notice**

- ☞ PC에서 RS-422/485 결선을 사용하려면 RS232 to RS422/485 컨버터가 필요합니다.
- ☞ PLC의 RS-422/485 포트는 단자대로 되어 있으므로 별도의 컨버터가 필요 없습니다.

**11.2.3 Link method: FEnet**

**(1) Ethernet specification**

Ethernet can be connected in 2 ways as below figure.





**Notice**

When connecting hub-node, direct cable has to be used and cross cable has to be used when connecting 1:1.

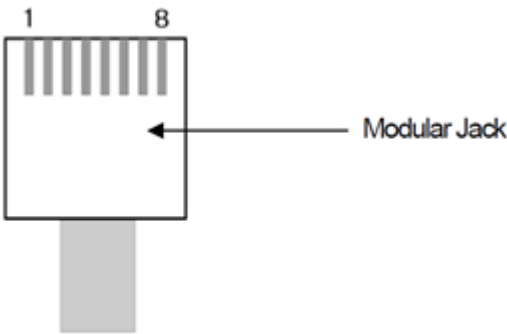
(2) Ethernet cable

Ethernet cable gets specified into 2 cables according to its type.

When communicating through LAN, connected to network equipment like a hub, direct cable is used. (In case of hub-node connection) Direct connection is available among equipments and in this case, cross cable is used.

Method for wiring a direct cable is as follows.

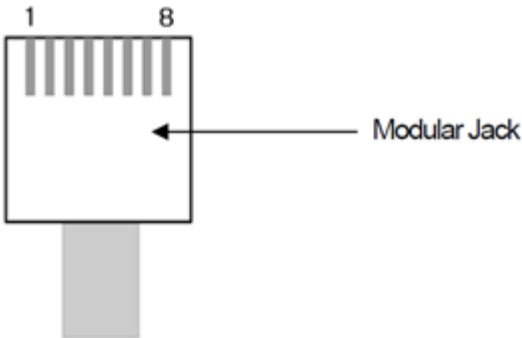
1	White-oragne	↔	White-oragne	1
2	Orange	↔	Orange	2
3	White-green	↔	White-green	3
4	Blue	↔	Blue	4
5	White-blue	↔	White-blue	5
6	Green	↔	Green	6
7	White-brown	↔	White-brown	7
8	Brown	↔	Brown	8



‘White-yellow’, ‘White-green’, ‘White-blue’, ‘White-brown’ from above figure is indicated on the coating of the cable. For example, ‘white-blue’ has blue stripes on white coating.

Method for wiring of cross cable is as follows.

1	White-orange	↔	White-green	1
2	Orange	↔	Green	2
3	White-green	↔	White-orange	3
4	Blue	↔	Blue	4
5	White-blue	↔	White-blue	5
6	Green	↔	Orange	6
7	White-brown	↔	White-brown	7
8	Brown	↔	Brown	8



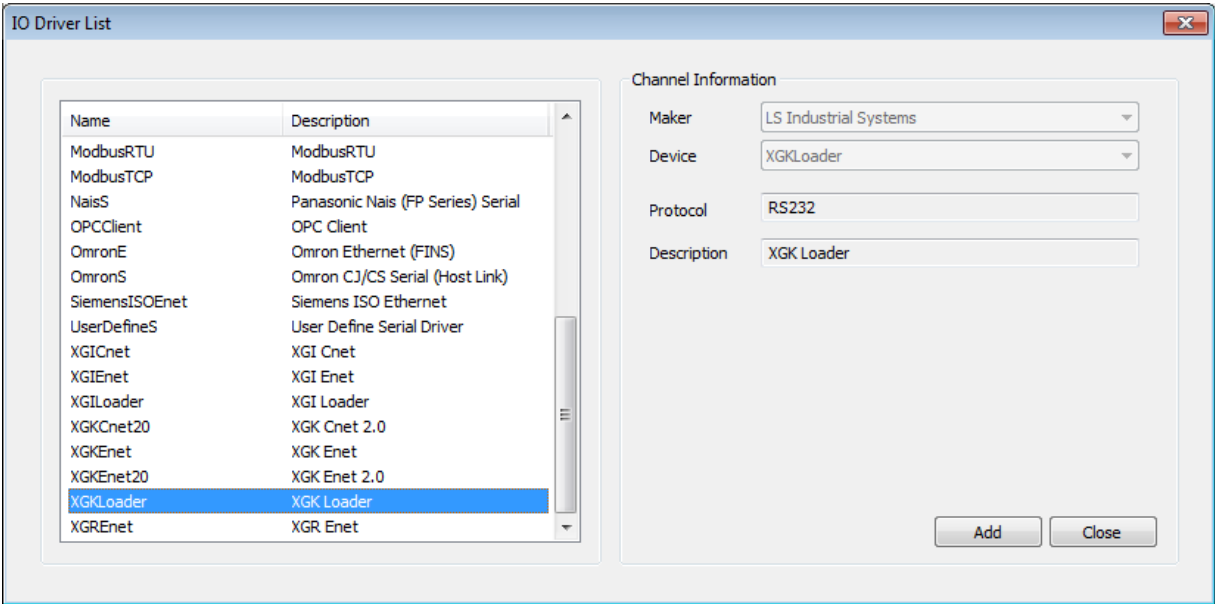
**Notice**

- ☞ Use according to the connection method.
- ☞ Wire the cable by using a modular tool. Bad connection may occur.
- ☞ If the lock part of the modular jack gets damaged, it may not get fixed to the RJ45 connector (Ethernet connector) and bad connection may occur.
- ☞ The UTP cable is made out of solid wire material. Therefore, it may break when heavily bent or shaken.
- ☞ It is advisory to use a plug cover when wiring cables.

11.3 I/O Driver Setting

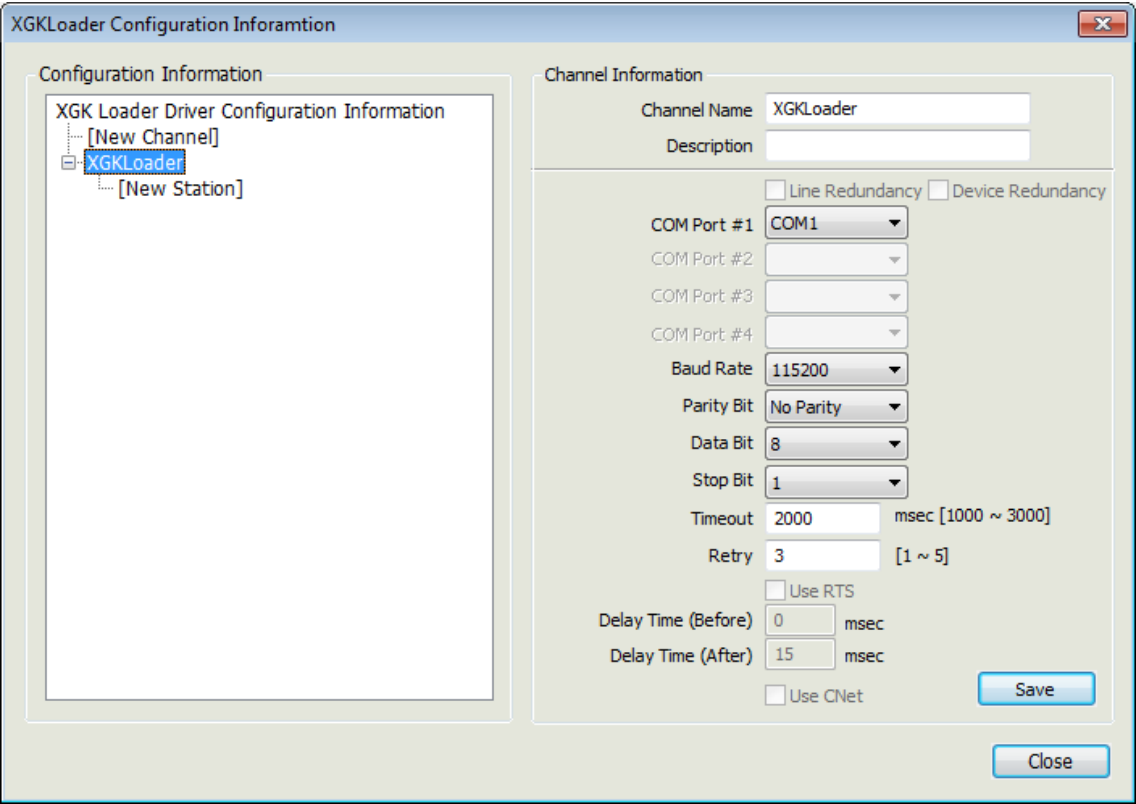
11.3.1 CPU module direct connection method: Loader

- (1) PLC Setting  
PLC Loader 통신 설정은 XG5000 프로그램을 사용하여 설정합니다.
- (2) InfoU Setting: XGKLoader
  - 1) Add Channel

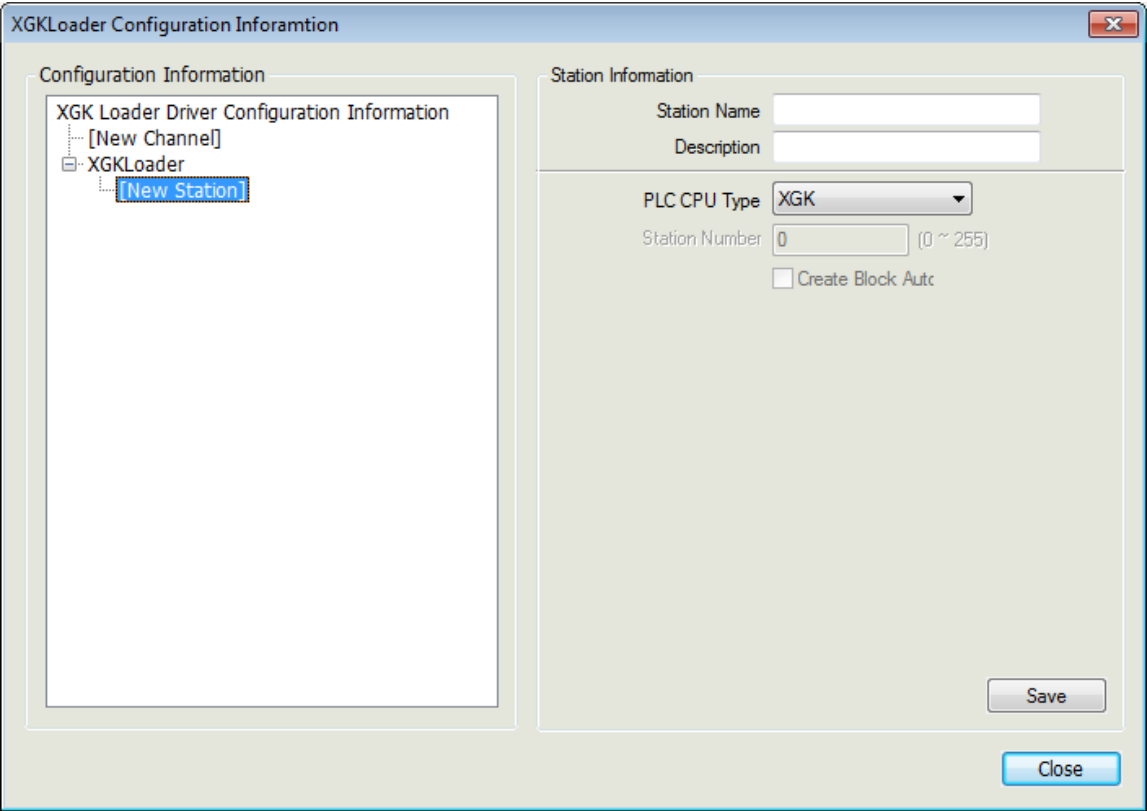


Select “XGKLoader” from the I/O driver list and press “Add”.

- Channel Name: Input a channel name.
- Description: Input some information on the channel.
- COM Port #1: Select a communication port.
- Baud Rate: Select a communication speed.
- Parity Bit: Select a parity bit.
- Data Bit: Select a data bit.
- Stop Bit: Select a stop bit.
- Time Out : It refers to a certain time period during which any response to the request for data is not made and after passing such a time period, the system will declare timeout to move on to the next process. The time period to be set will be a base to judge communication errors.
- Retry: Set up the number of times to retry when communication fails.
- Save: If 'Save' button is pressed, Channel information will be saved and the saved information will add to the left "Configuration Information" tree.



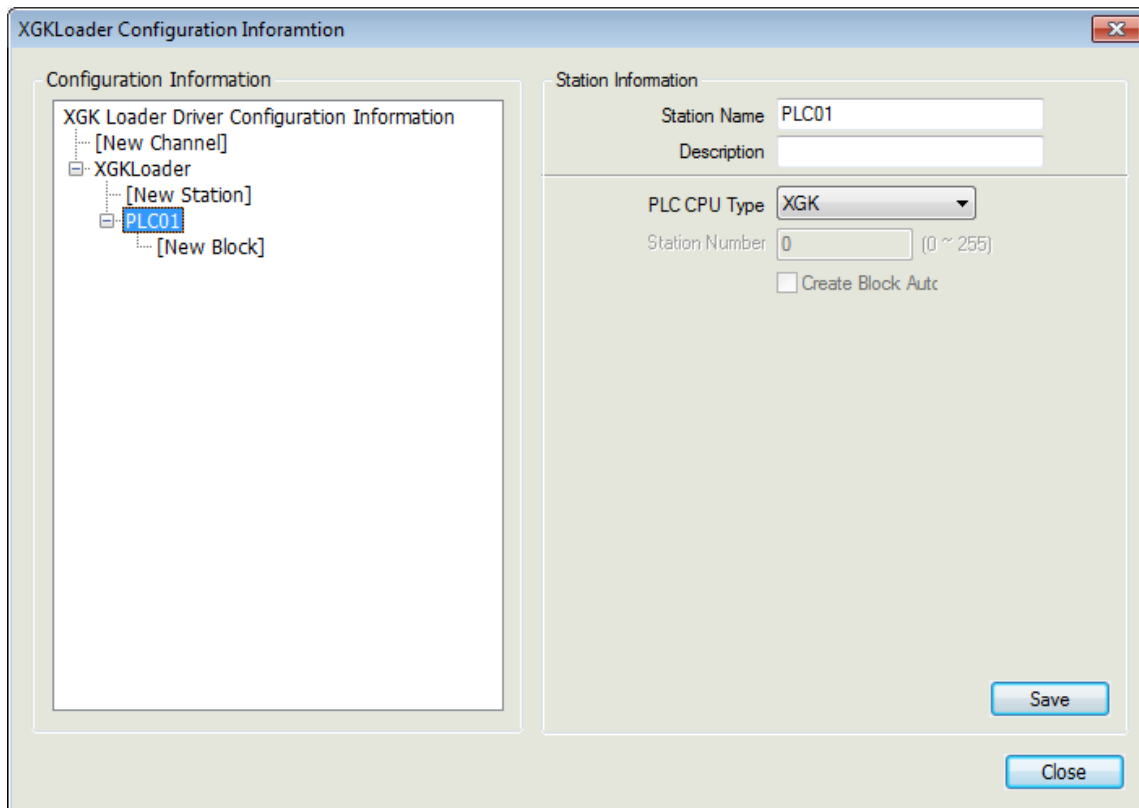
2) Add Station



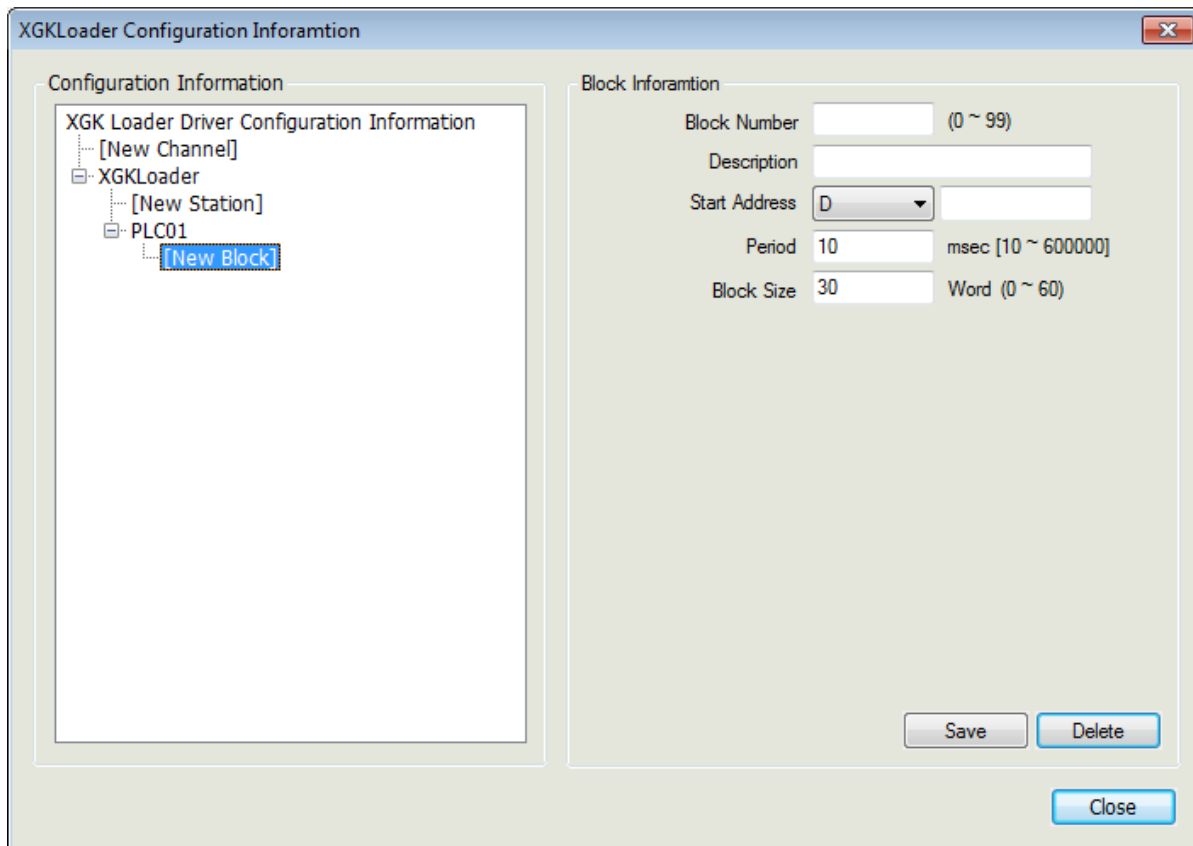
- Select [New Station] from “Configuration Information” tree.



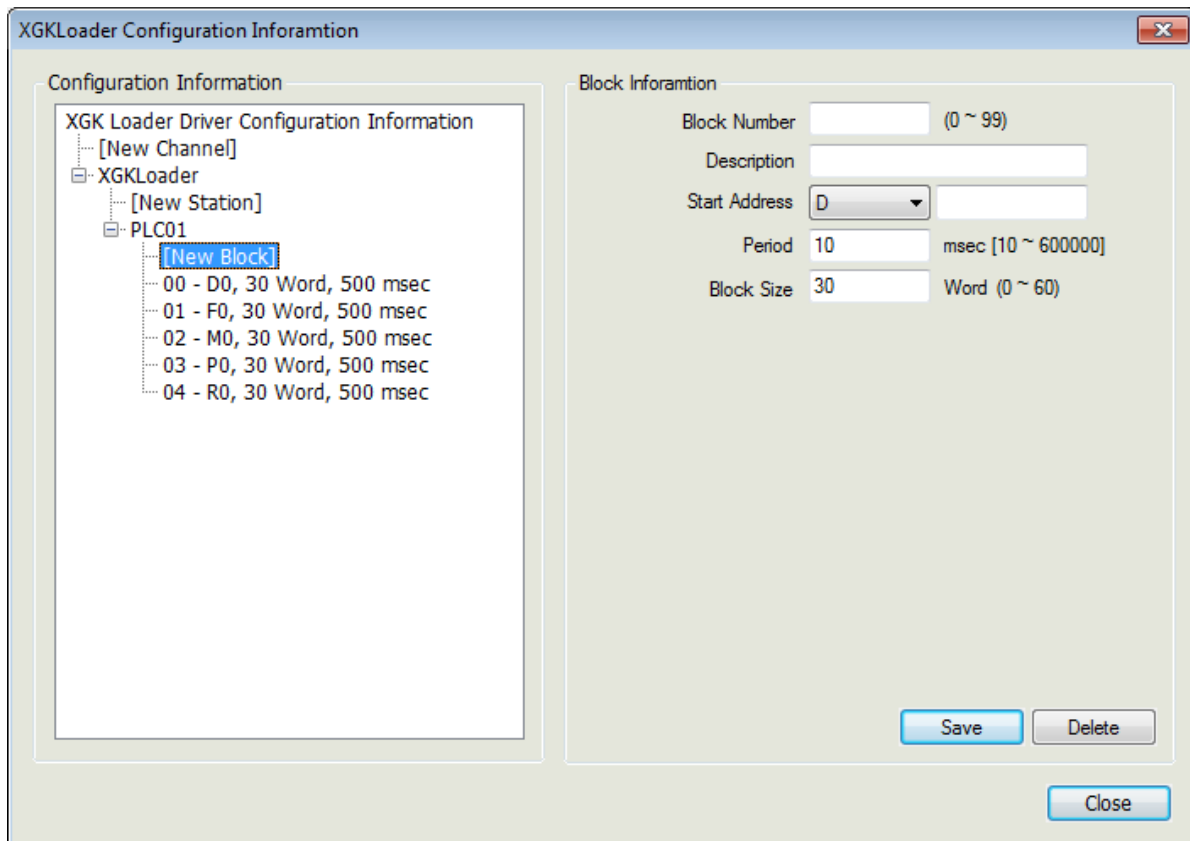
- Station Name: Input a station name.
- Description: Input some information on the station.
- PLC CPU Type: Select a PLC CPU type.
- Save: If 'Save' button is pressed, Station information will be saved and the saved information will add to the left "Configuration Information" tree.



### 3) Add Block



- Select [New Block] from “Configuration Information” tree.
- Block Number: This number is a unique code of the block. The user needs to designate a different code to each block.
- Description: Input some information on the block.
- Start Address: Input the Block’s Start Address. There are six kinds and each address is designated as the following ways respectively:
  - Right example: DO, F20, M10, P30, R20, W20
  - Wrong example: M0, 0.0, F11A
- Period: Input an interval to collect data of the relevant block (unit: msec).
- Block Size: Input a block size of the relevant block (unit: Word (2 byte)).
- Save: If ‘Save’ button is pressed, Block information will be saved and the saved information will add to the left “Configuration Information” tree.
- Delete: If “Delete” button is pressed, the currently selected Block will be deleted.



#### 4) I/O Address

- Type

- Analog: D20, F10, M30, P0, R20

- Digital: D20A, F105, M30F, P01, R20F (The last letter indicates the bit location of the corresponding word value. Available from O to F)

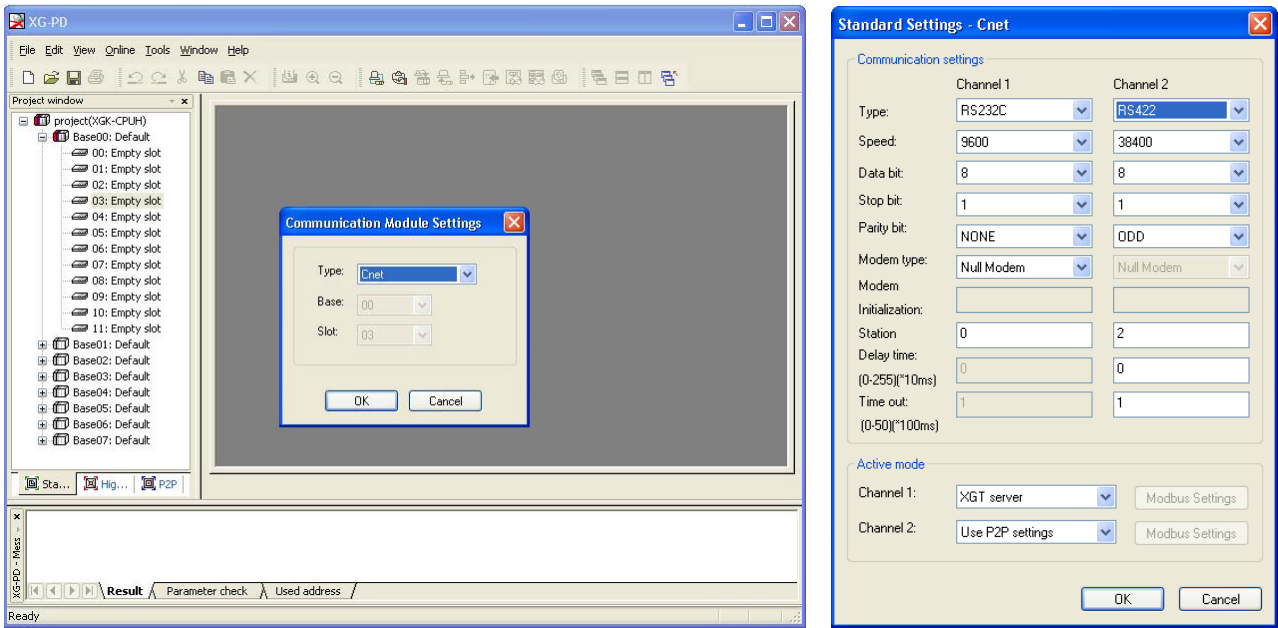
- Available devices

- D, F, K, M, P, R, ZR

11.3.2 Link method: Cnet

(1) PLC Setting

Set Cnet communication parameter of the PLC through XG-PD. (Refer to XGT Cnet instruction manual)  
Set Cnet as below.



Set up communication parameters to the channel for the use of the communication. Select XGT server at the operation mode.

When write is done and PLC is reset, setting is done.

Notice

1. Communication state check

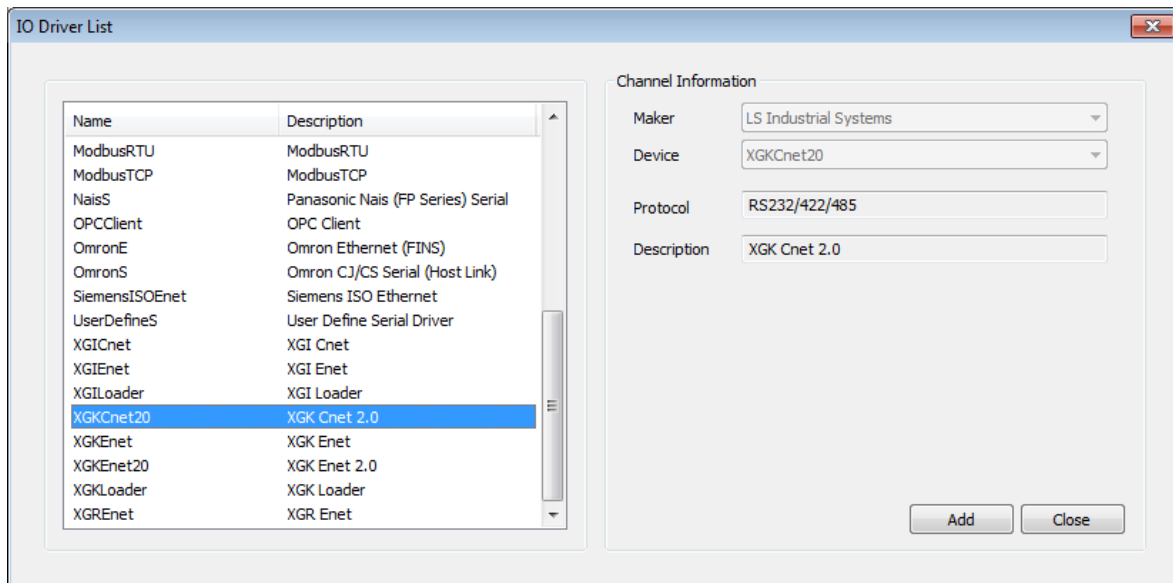
- ☞ XG-PD has a monitoring function. Communication data may be checked using this function.
- ☞ There are RX, TX LEDs on the Cnet module. These LEDs blink rapidly when communicating normally.

2. Cautions when setting PLC

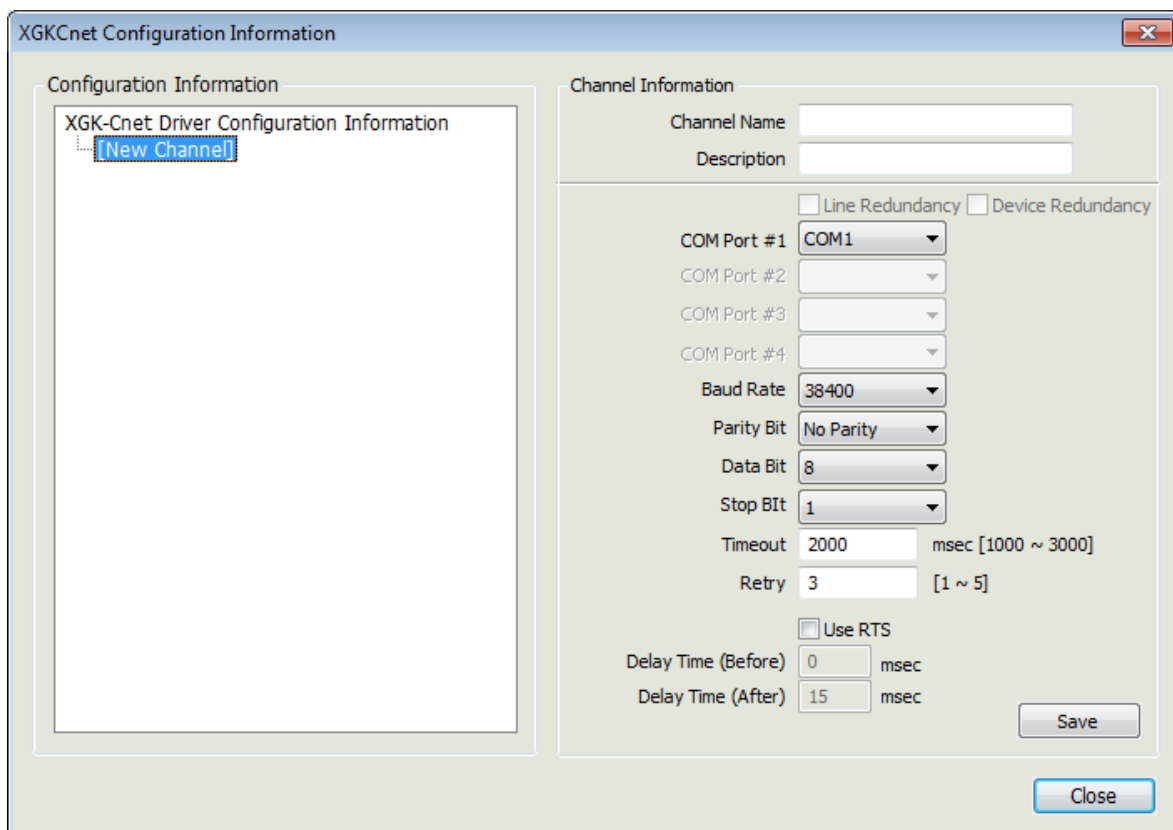
- ☞ Be sure to reset the PLC after setting the communication parameter.
- ☞ This manual explains in brief. Please refer to XGT Cnet operating manual.
- ☞ Even if you use only one channel, you should set up parameters of the other channel.

## (2) InfoU Setting: XGKNet20

## 1) Add Channel



Select "XGKNet20" from the I/O driver list and press "Add".



- Channel Name: Input a channel name.
- Description: Input some information on the channel.
- COM Port #1: Select a communication port.
- Baud Rate: Select a communication speed.

- Parity Bit: Select a parity bit.
- Data Bit: Select a data bit.
- Stop Bit: Select a stop bit.
- Time Out : It refers to a certain time period during which any response to the request for data is not made and after passing such a time period, the system will declare timeout to move on to the next process. The time period to be set will be a base to judge communication errors.
- Retry: Set up the number of times to retry when communication fails.
- Use RTS: Check ☒ in the box only when using Channel 485 and 422.
- Delay Time (Before): Information used only in Channel 485 and 422. The delay time right before requesting Data to PLC.
- Delay Time (After): Information used only in Channel 485 and 422. The delay time right after requesting Data to PLC.
- Save: If 'Save' button is pressed, Channel information will be saved and the saved information will add to the left "Configuration Information" tree.

**XGKnet Configuration Information**

**Configuration Information**

XGK-Cnet Driver Configuration Information

- [New Channel]
- XGKcnet20
  - [New Station]

**Channel Information**

Channel Name: XGKcnet20

Description:

☐ Line Redundancy ☐ Device Redundancy

COM Port #1: COM1

COM Port #2:

COM Port #3:

COM Port #4:

Baud Rate: 38400

Parity Bit: No Parity

Data Bit: 8

Stop Bit: 1

Timeout: 2000 msec [1000 ~ 3000]

Retry: 3 [1 ~ 5]

☐ Use RTS

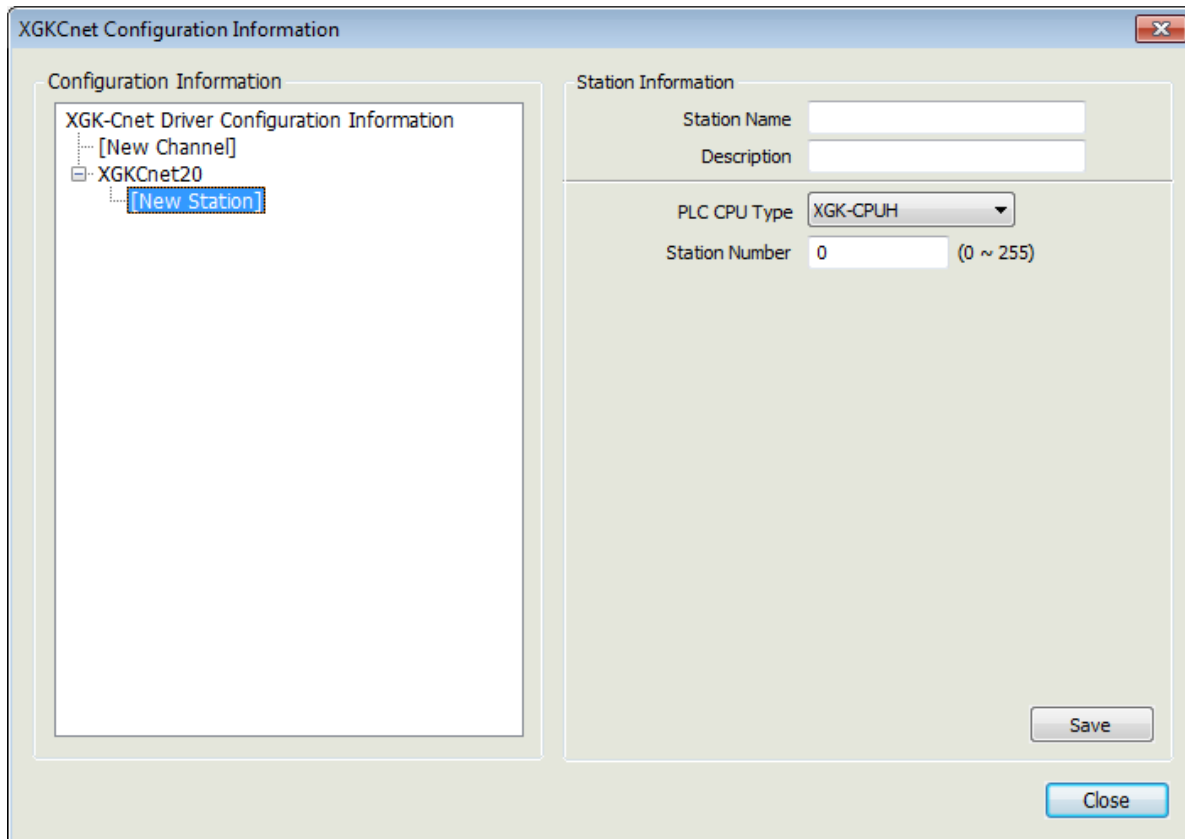
Delay Time (Before): 0 msec

Delay Time (After): 15 msec

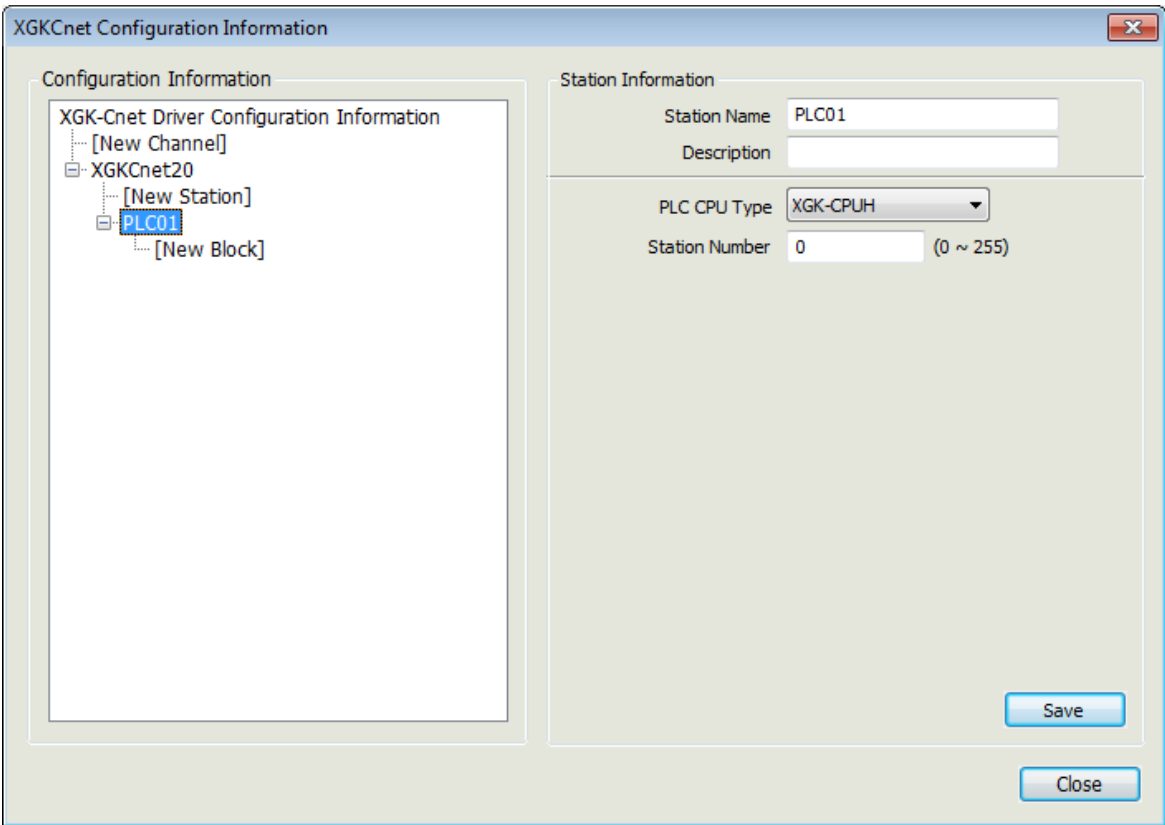
Save

Close

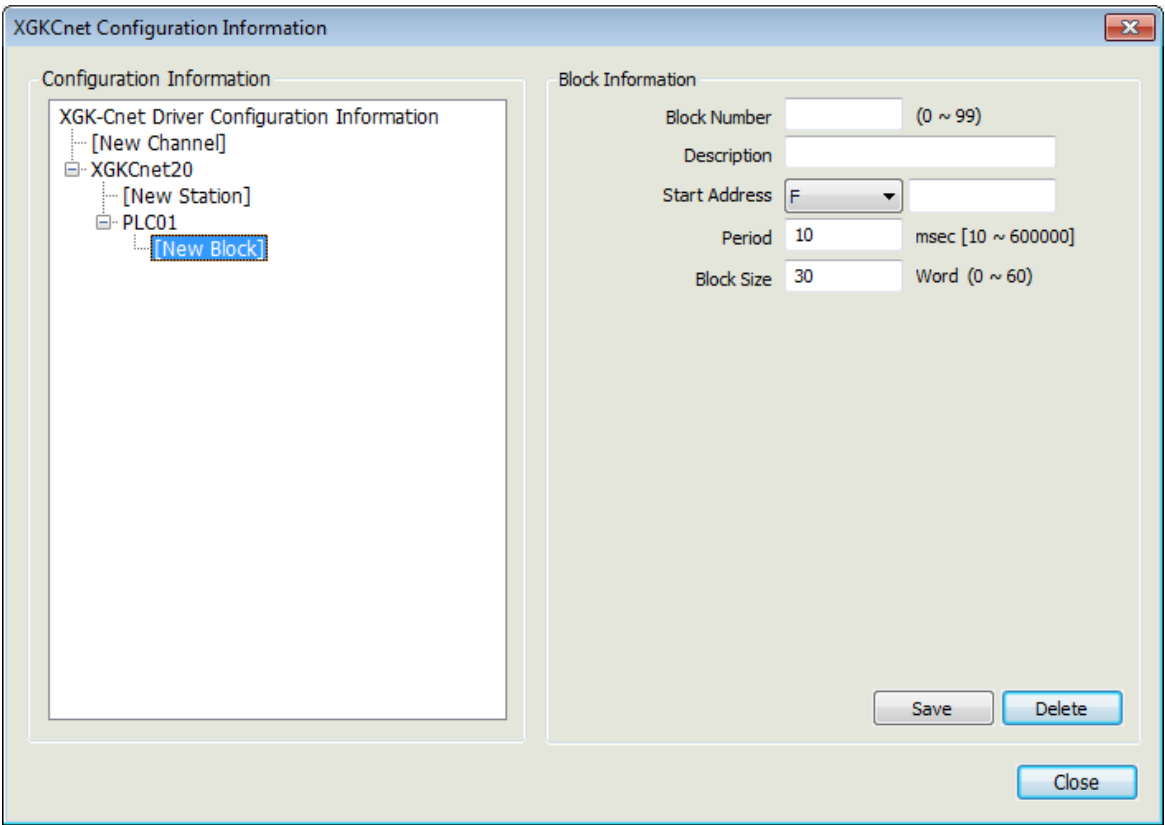
## 2) Add Station



- Station Name: Input a station name.
- Description: Input some information on the station.
- PLC CPU Type: Select a PLC CPU type.
- Station Number: Input the prefix number of PLC Cnet Module.
- Save: If 'Save' button is pressed, station information will be saved and the saved information will add to the left "Configuration Information" tree.

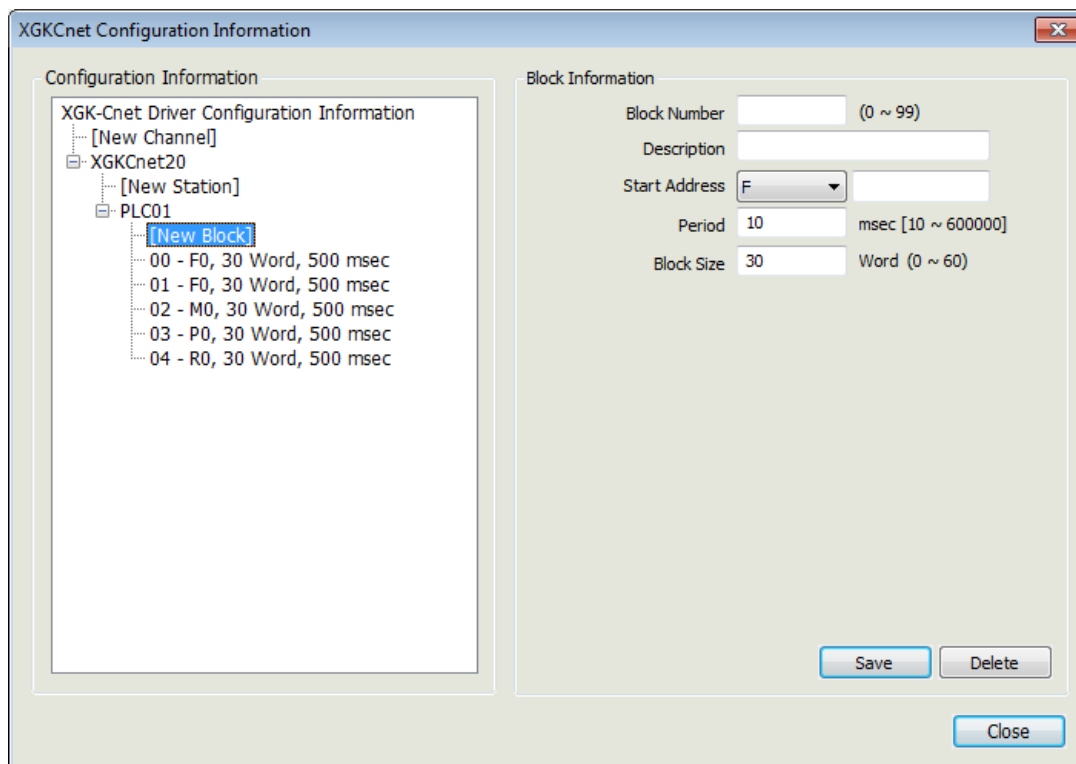


3) Add Block





- Select [New Block] from “Configuration Information” tree.
- Block Number: This number is a unique code of the block. The user needs to designate a different code to each block.
- Description: Input some information on the block.
- Start Address: Input the Block’s Start Address. There are six kinds and each address is designated as the following ways respectively:
  - Right example: DO, F20, M10, P30, R20, W20
  - Wrong example: M0, 0.0, F11A
- Period: Input an interval to collect data of the relevant block (unit: msec).
- Block Size: Input a block size of the relevant block (unit: Word (2 byte)).
- Save: If ‘Save’ button is pressed, Block information will be saved and the saved information will add to the left “Configuration Information” tree.
- Delete: If “Delete” button is pressed, the currently selected Block will be deleted.



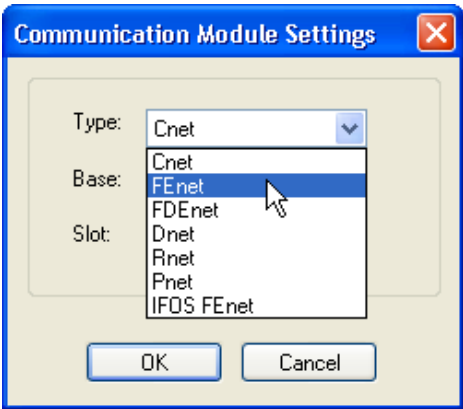
#### 4) I/O Address

- Type
  - Analog: D20, F10, M30, P0, R20
  - Digital: D20A, F105, M30F, P01, R20F (The last letter indicates the bit location of the corresponding word value. Available from O to F)
- Available devices
  - D, F, K, M, P, R, ZR

11.3.3 Link method: FEnet

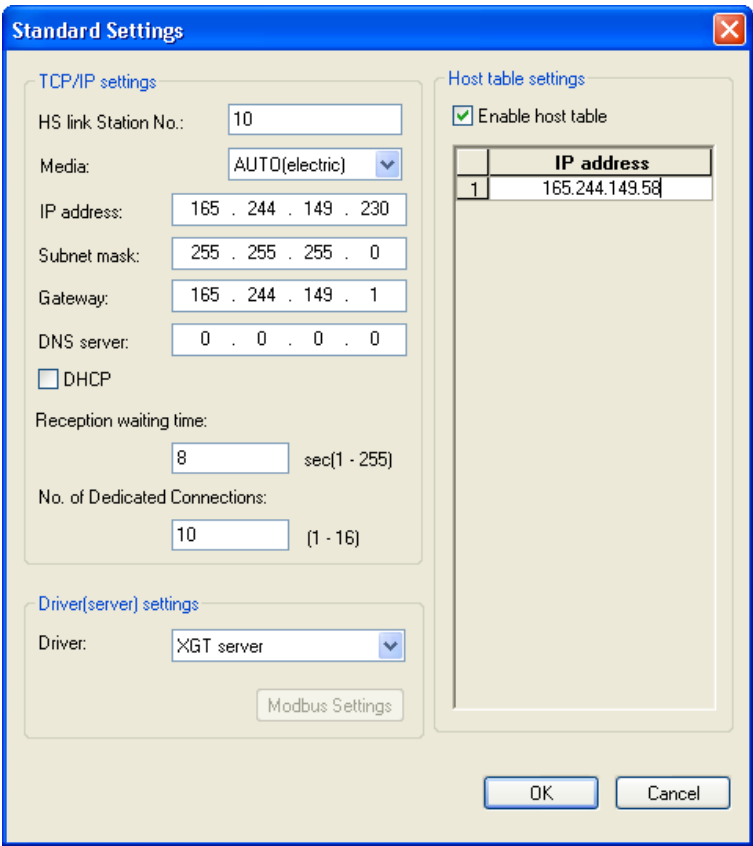
(1) PLC Setting

Set up FEnet communication parameters on the XG-PD. (Refer to XGT FEnet operating manual.)



Set up as FEnet for the communication module.

Write communication parameters such as an IP address and a gateway. Select XGT server at the driver setting.



When write is done and PLC is reset, setting is done.

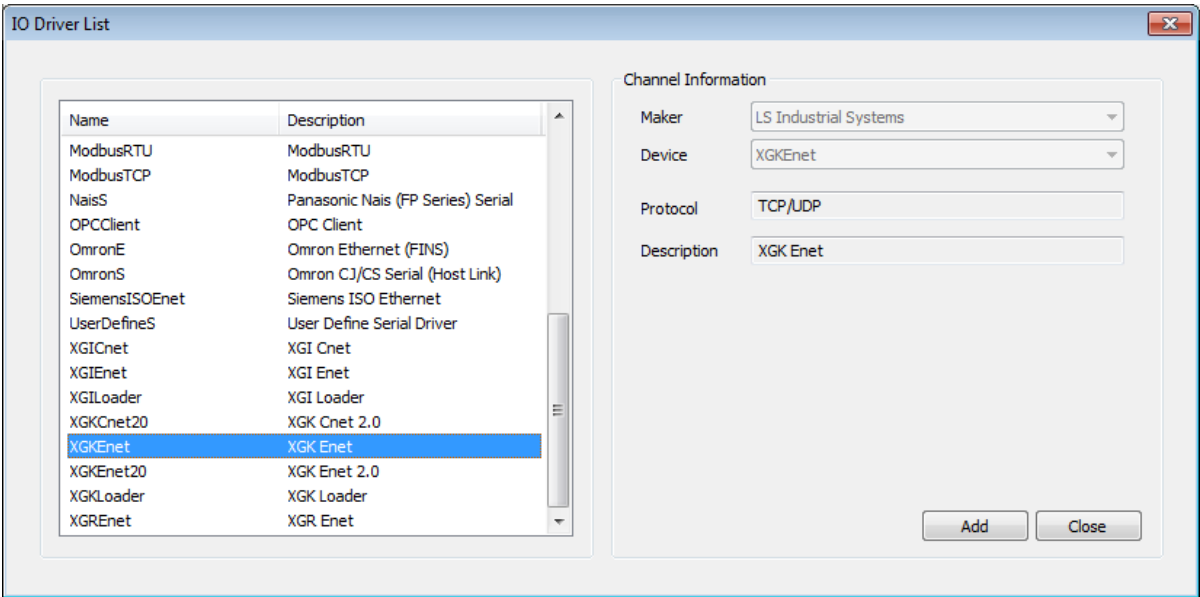
Notice

Communication state check

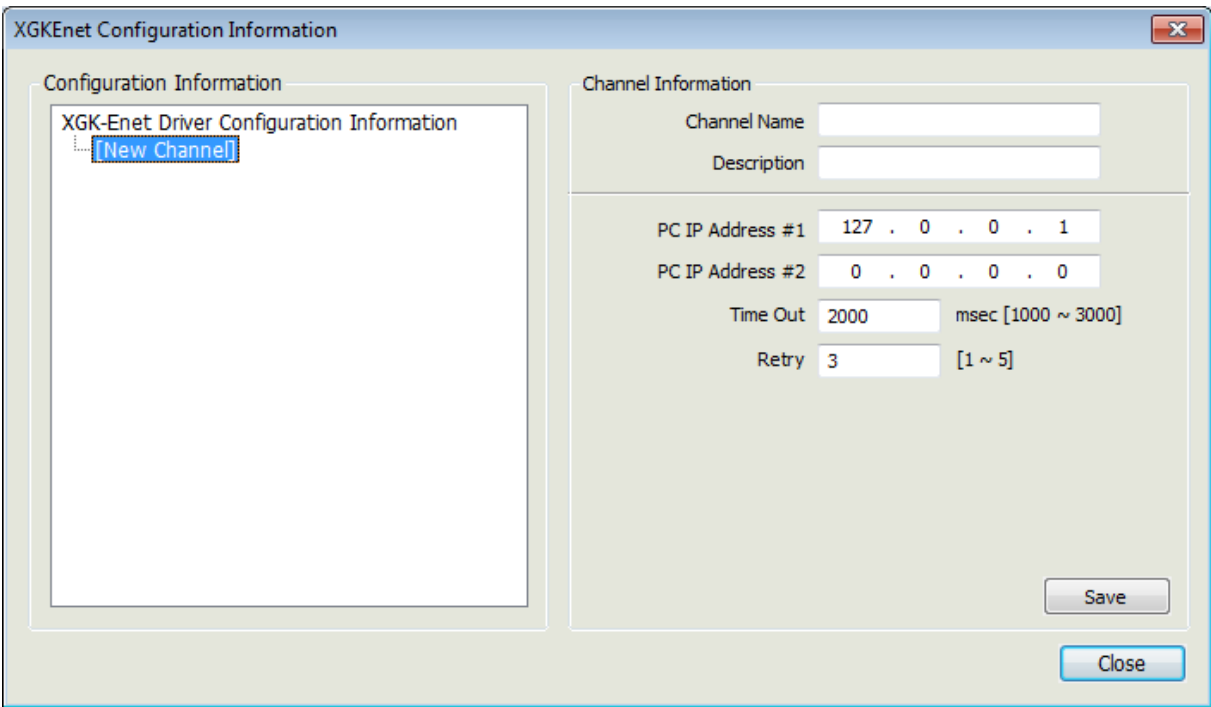
There are RX, TX LEDs on the Cnet module. These LEDs blink rapidly when communicating normally.

(2) InfoU Setting: XGKEnet

1) Add Channel



Select “XGKEnet”from the I/O driver list and press “Add”.



- Channel Name: Input a channel name.

- Description: Input some information on the channel.
- Serve IP Address #1: Input PC's IP Address.
- Server IP Address #2: If Line Redundancy will be used, input the second IP Address to be used.
- Time Out : It refers to a certain time period during which any response to the request for data is not made and after passing such a time period, the system will declare timeout to move on to the next process. The time period to be set will be a base to judge communication errors.
- Retry: Set up the number of times to retry when communication fails.
- Save: If 'Save' button is pressed, Station information will be saved and the saved information will add to the left "Configuration Information" tree.

**XGKEnet Configuration Information**

**Configuration Information**

- XGK-Enet Driver Configuration Information
  - [New Channel]
  - XGKEnet**
  - [New Station]

**Channel Information**

Channel Name: XGKEnet

Description:

PC IP Address #1: 127 . 0 . 0 . 1

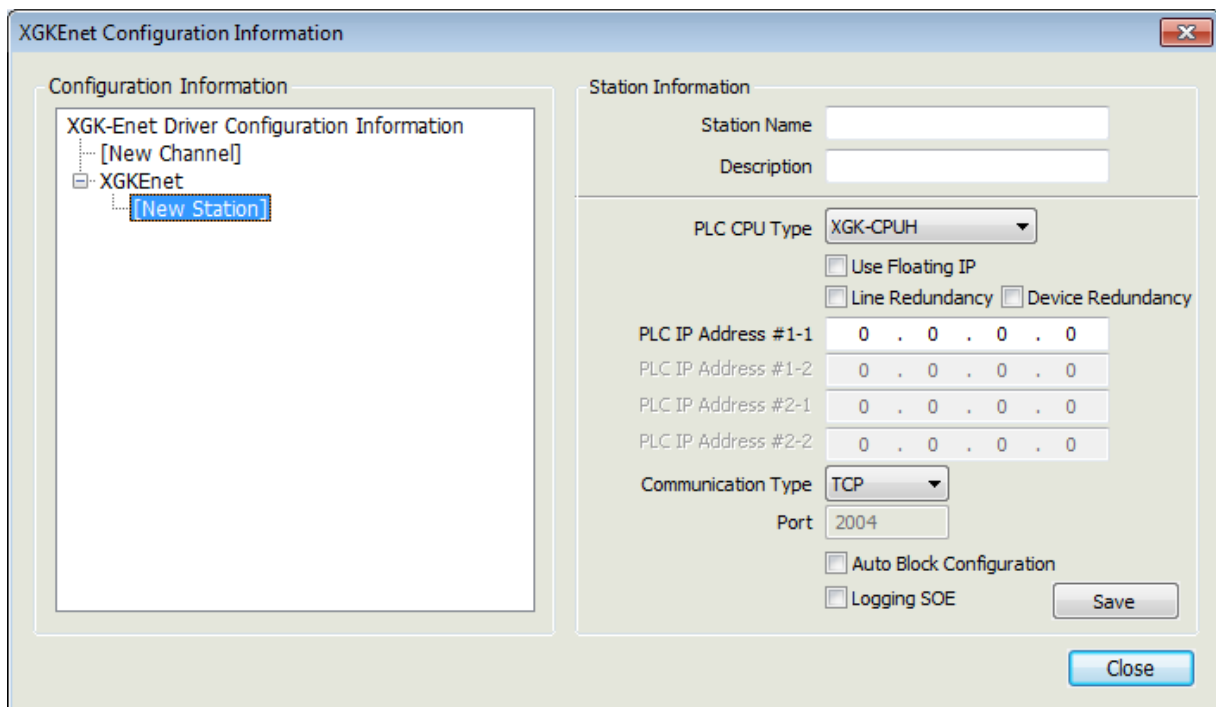
PC IP Address #2: 0 . 0 . 0 . 0

Time Out: 2000 msec [1000 ~ 3000]

Retry: 3 [1 ~ 5]

Save Close

## 2) Add Station



The dialog box is titled "XGKEnet Configuration Information". It is divided into two main sections: "Configuration Information" on the left and "Station Information" on the right.

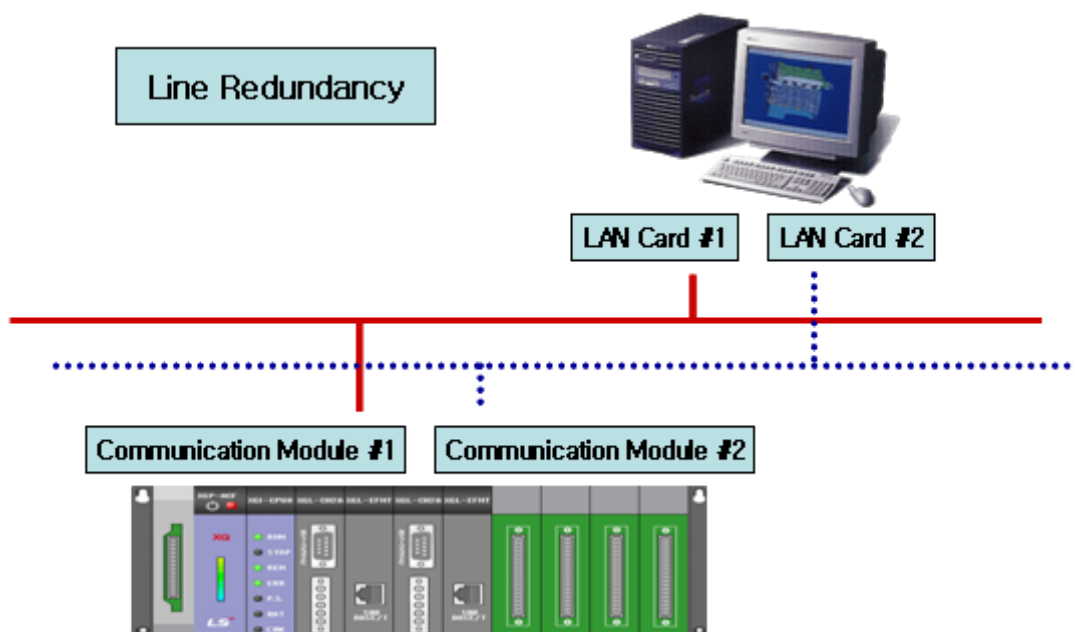
**Configuration Information:** A tree view shows "XGK-Enet Driver Configuration Information" expanded, with sub-items "[New Channel]" and "XGKEnet". Under "XGKEnet", "[New Station]" is selected and highlighted with a blue border.

**Station Information:** This section contains several input fields and checkboxes.

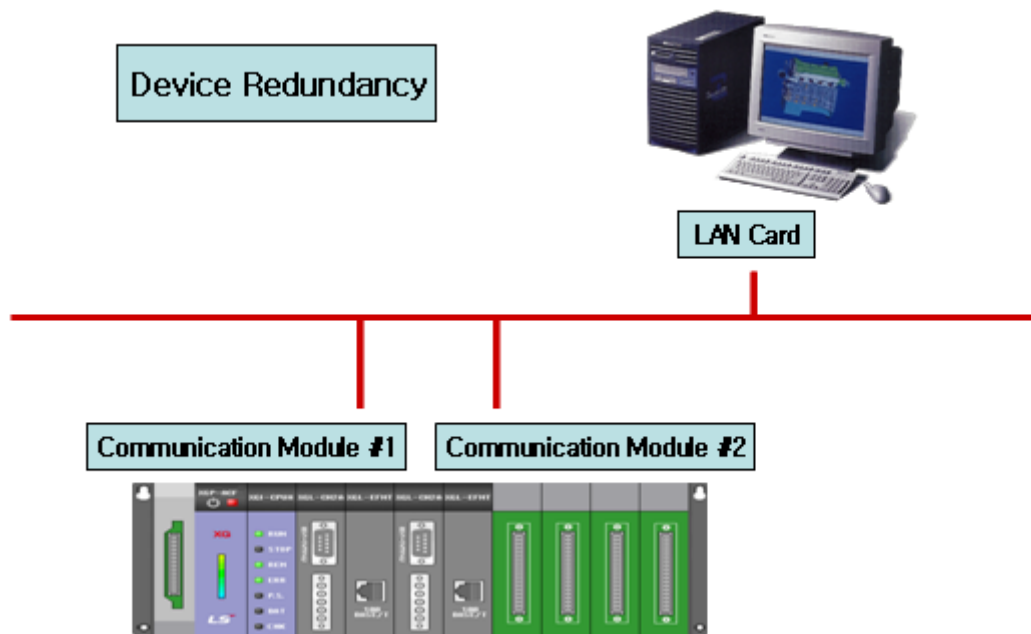
- Station Name:** An empty text box.
- Description:** An empty text box.
- PLC CPU Type:** A dropdown menu set to "XGK-CPUH".
- Use Floating IP:** An unchecked checkbox.
- Line Redundancy:** An unchecked checkbox.
- Device Redundancy:** An unchecked checkbox.
- PLC IP Address #1-1:** A field with "0 . 0 . 0 . 0".
- PLC IP Address #1-2:** A field with "0 . 0 . 0 . 0".
- PLC IP Address #2-1:** A field with "0 . 0 . 0 . 0".
- PLC IP Address #2-2:** A field with "0 . 0 . 0 . 0".
- Communication Type:** A dropdown menu set to "TCP".
- Port:** A field with "2004".
- Auto Block Configuration:** An unchecked checkbox.
- Logging SOE:** An unchecked checkbox.

At the bottom right of the "Station Information" section are two buttons: "Save" and "Close".

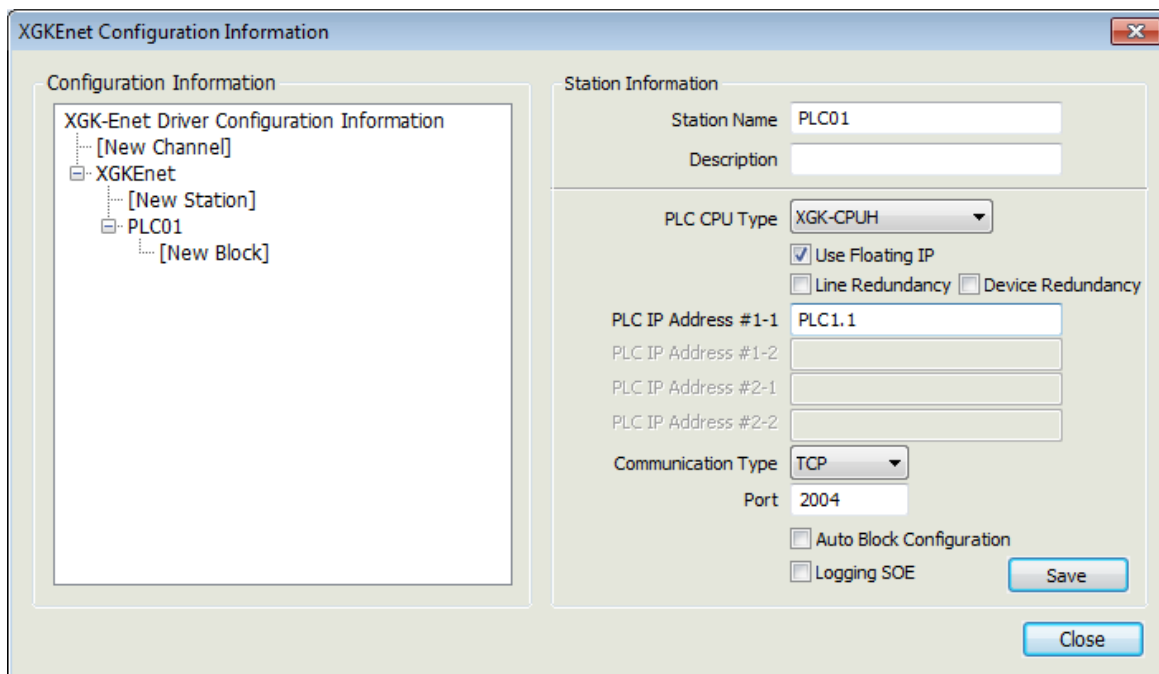
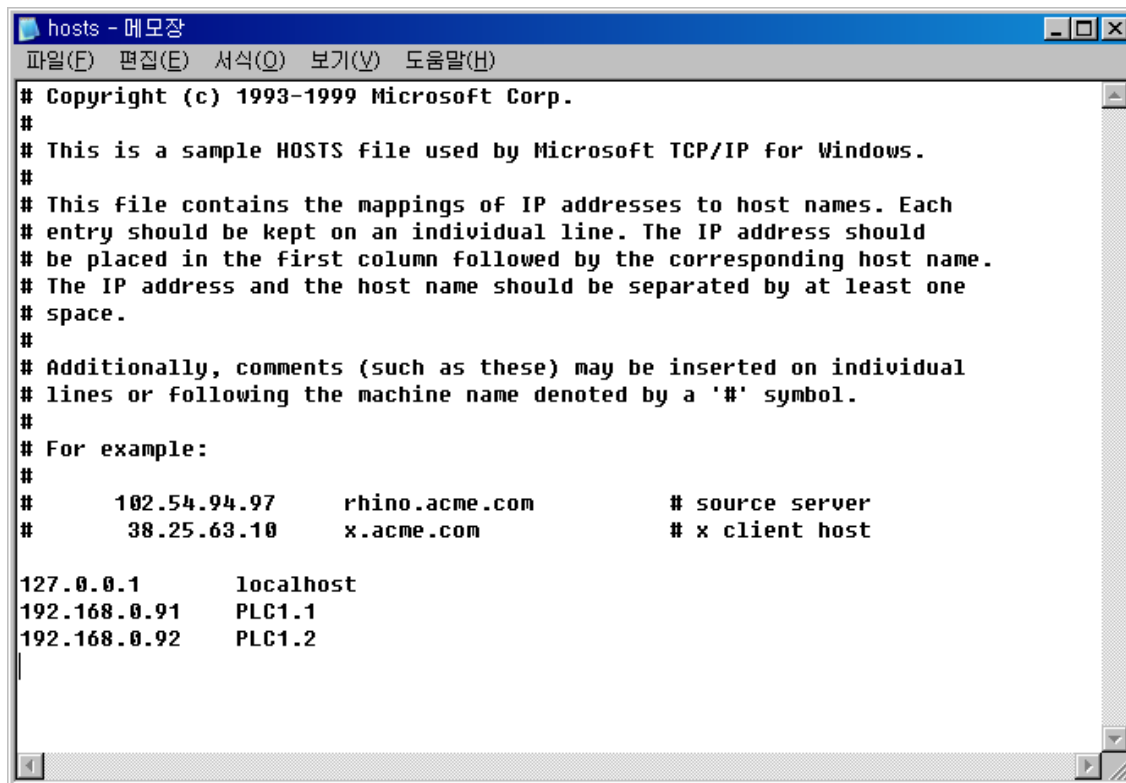
- Select [New Station] from "Configuration Information" tree.
- Station Name: Input a station name.
- Description: Input some information on the station.
- PLC CPU Type: Select a PLC CPU type.
- Line Redundancy: Check ☒ in the box to use Line Redundancy. It is used when the network is intended to be separated and communicated as seen in the figure below by installing two LAN cards on the computer and two Enet communication modules on PLC. It is a redundancy option for any failure in the network line.



- Device Redundancy: Check ☒ in the box to use Device Redundancy. It is used when the communication module is separated as seen in the figure below by installing one LAN card on the computer and two Enet communication modules on PLC. It is a redundancy option for any failure in the PLC communication module.

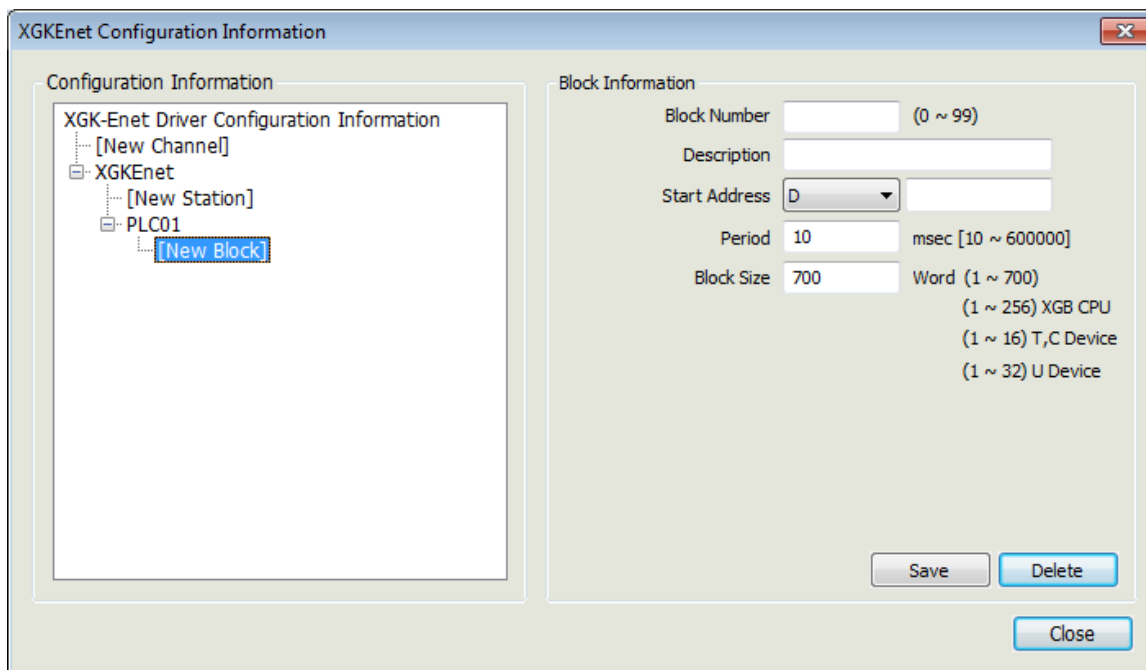


- PLC IP Address #1-1: Input PLC's IP Address.
- PLC IP Address #1-2: Input PLC's IP Address. Input the address when using Device Redundancy.
- PLC IP Address #2-1: Input PLC's IP Address. Input the address when using Device Redundancy.
- PLC IP Address #2-2: Input PLC's IP Address. Input the address when using Line Redundancy along with Device Redundancy.
- Communication Type: Select either TCP or UDP.
- Port: The port number is automatically inputted according to the selected communication type.
- Flexible IP Support: Check the following if the user wants to use a flexible IP. A flexible IP uses hosts files to communicate and they are located in C:\WINDOWS\system32\drivers\etc. Once they are saved as follow, set up a flexible IP according to the inst



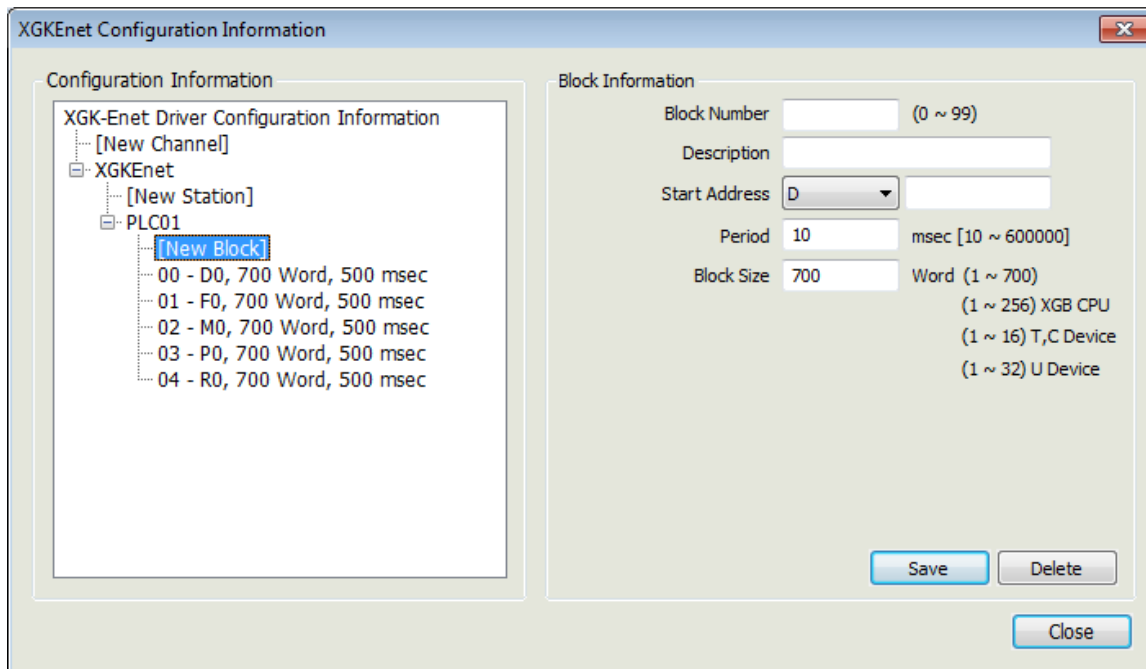
- Save: If 'Save' button is pressed, Station information will be saved and the saved information will add to the left "Configuration Information" tree.

### 3) Add Block



- Select [New Block] from “Configuration Information” tree.
- Block Number: This number is a unique code of the block. The user needs to designate a different code to each block.
- Description: Input some information on the block.
- Start Address: Input the Block’s Start Address. There are six kinds and each address is designated as the following ways respectively:
  - Right example: DO, F20, M10, P30, R20, W20
  - Wrong example: M0, 0.0, F11A
- Period: Input an interval to collect data of the relevant block (unit: msec).
- Block Size: Input a block size of the relevant block (unit: Word (2 byte)).
- Save: If ‘Save’ button is pressed, Block information will be saved and the saved information will add to the left “Configuration Information” tree.
- Delete: If “Delete” button is pressed, the currently selected Block will be deleted.





#### 4) I/O Address

- Type

- Analog: D20, F10, M30, P0, R20

- Digital: D20A, F105, M30F, P01, R20F (The last letter indicates the bit location of the corresponding word value. Available from O to F)

- Available devices

- C, D, F, K, M, P, R, T, U, ZR

11.4 Available Device

Available devices of the InfoU are as below.

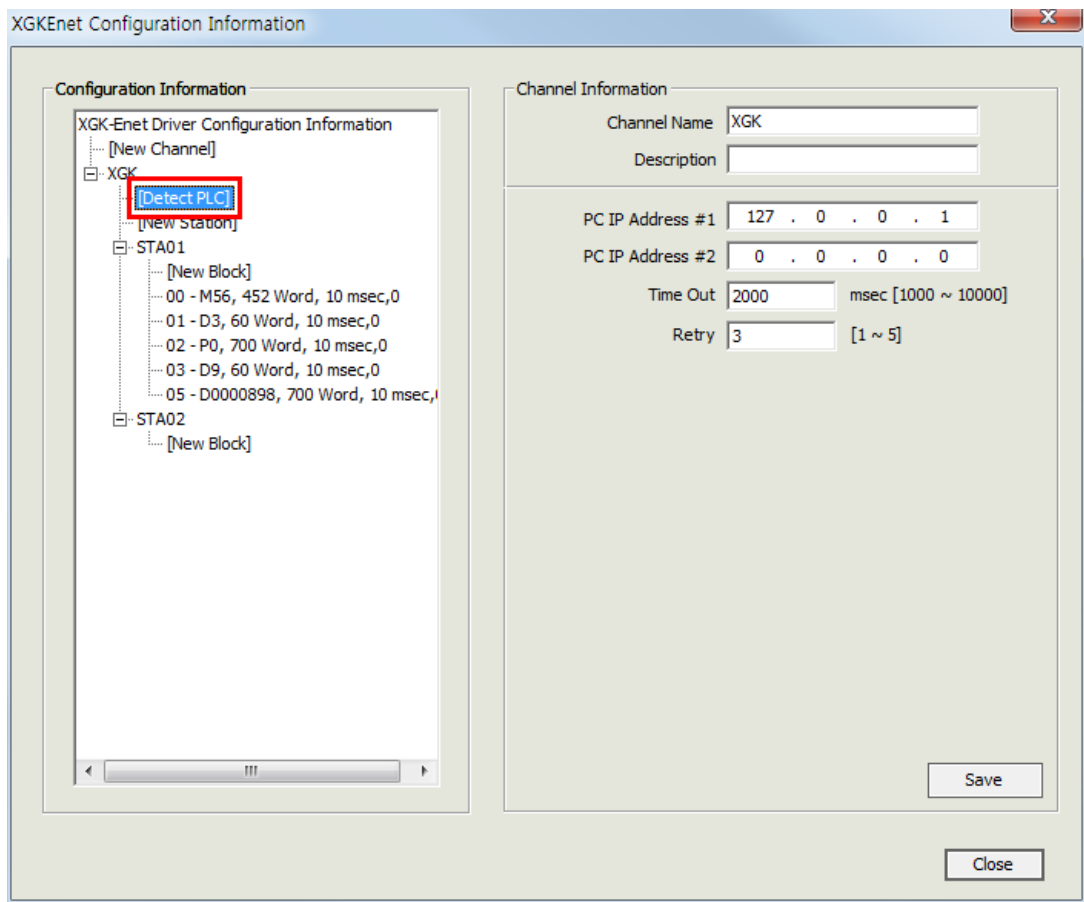
Areax	Size	Bit points	Word data	Remark
P	32768 point	P00000 ~ P2047F	P0000 ~ P2047	
M	32768 point	M00000 ~ M2047F	M0000 ~ M2047	
K	32768 point	K00000 ~ K2047F	K0000 ~ K2047	
F	32768 point	F00000 ~ F2047F	F0000 ~ F2047	
T	2048 point	T0000 ~ T2047	T0000 ~ T2047	
C	2048 point	C0000 ~ C2047	C0000 ~ C2047	
U	3072 word	U00.00.0 ~ U7F.31.F	U00.00 ~ U7F.31	
D	32K word	D00000.0 ~ D32767.F	D00000 ~ D32767	
ZR	32K word	-	ZR00000 ~ ZR65535	
R	32K word	R00000.0 ~ R32767.F	R00000 ~ R32767	

Notice

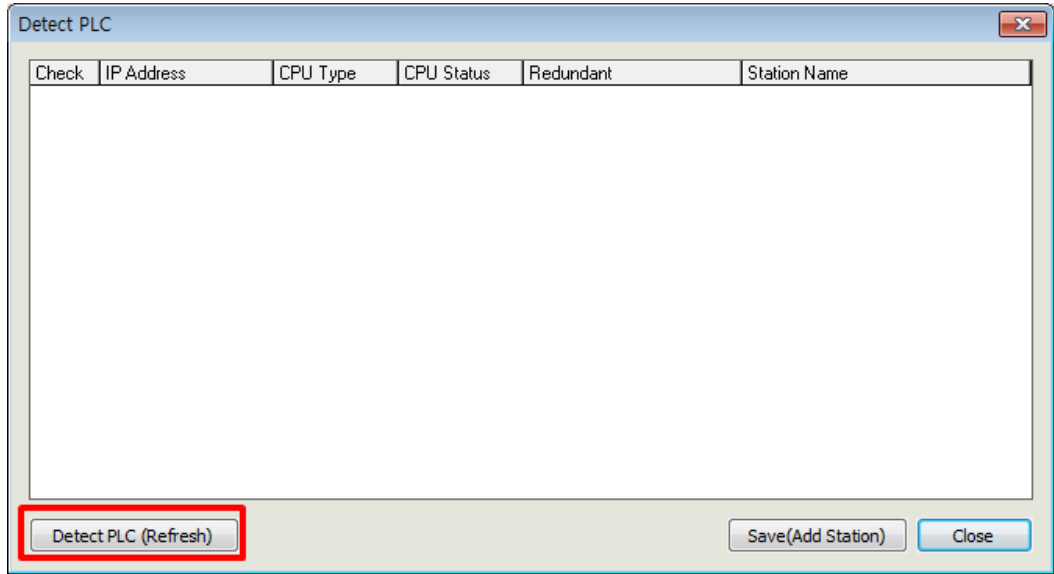
- Please make sure to use the device within the range.
- Device range may differ according to the CPU module. Refer to each CPU module's instruction manual.

11.5    Automatic Setting Diagnostics

11.5.1    PLC search and information inquiry



Double click [Delete PLC] in the XGKEnet communication driver registration information tree and the window appears on the screen as shown below



Click “Detect PLC (Refresh)” button, and PLC on the same network is detected and displayed on the screen.

Detect PLC

Check	IP Address	CPU Type	CPU Status	Redundant	Station Name
<input type="checkbox"/>	192.168.111.91	XGK-CPUH	RUN	Single	
<input type="checkbox"/>	192.168.111.92	XGK-CPUH	RUN	Single	
<input checked="" type="checkbox"/>	192.168.111.151	XGI-CPUH	RUN	Single	XGI Series.
<input checked="" type="checkbox"/>	192.168.111.152	XGR-CPUH	RUN	Redundant Master/Single	XGR Series.
<input checked="" type="checkbox"/>	192.168.111.153	XGR-CPUH	RUN	Redundant Slave	XGR Series.

Detect PLC (Refresh)

Save(Add Station)Close

Notice

- Only PLC connected on the same network with PC in which InfoU is installed is detected. (XGK, XGI and XGR are only supported)
- XGL-EFMT Ethernet module must be installed on the PLC system and connected to the network.

11.5.2    Station registrtrtion

11.5.1 Check PLC items you wish to add from the list of PLC detected through the PLC search and information inquiry and enter the Station Name.

Detect PLC

Check	IP Address	CPU Type	CPU Status	Redundant	Station Name
<input checked="" type="checkbox"/>	192.168.111.91	XGK-CPUH	RUN	Single	AutoStation
<input type="checkbox"/>	192.168.111.92	XGK-CPUH	RUN	Single	
<input type="checkbox"/>	192.168.111.151	XGI-CPUH	RUN	Single	XGI Series.
<input type="checkbox"/>	192.168.111.152	XGR-CPUH	RUN	Redundant Master/Single	XGR Series.
<input type="checkbox"/>	192.168.111.153	XGR-CPUH	RUN	Redundant Slave	XGR Series.

Detect PLC (Refresh)

Save(Add Station)

Close

The added stations are registered on the XGKEnet driver registration information tree and displayed on the screen.

XGKEnet Configuration Information

Configuration Information

XGK-Enet Driver Configuration Information

[New Channel]

XGK

[Detect PLC]

[New Station]

AUTOSTATION

[New Block]

STA01

[New Block]

00 - M56, 452 Word, 10 msec,0

01 - D3, 60 Word, 10 msec,0

02 - P0, 700 Word, 10 msec,0

03 - D9, 60 Word, 10 msec,0

05 - D0000898, 700 Word, 10 msec,0

STA02

[New Block]

Station Information

Station NameAUTOSTATION

Description

PLC CPU TypeXGK-CPUH

☐ Use Floating IP

☐ Line Redundancy

☐ Device Redundancy

PLC IP Address #1-1192 . 168 . 111 . 91

PLC IP Address #1-20 . 0 . 0 . 0

PLC IP Address #2-10 . 0 . 0 . 0

PLC IP Address #2-20 . 0 . 0 . 0

Communication TypeTCP

Port No.2004

☐ Auto Block Configuration

☐ Logging SOE

Adding Tag

☐ PLC Informator

☐ System Monitor

☐ Device Monitor

☐ PLC Log

☐ SOE Log

☐ Disable

Save

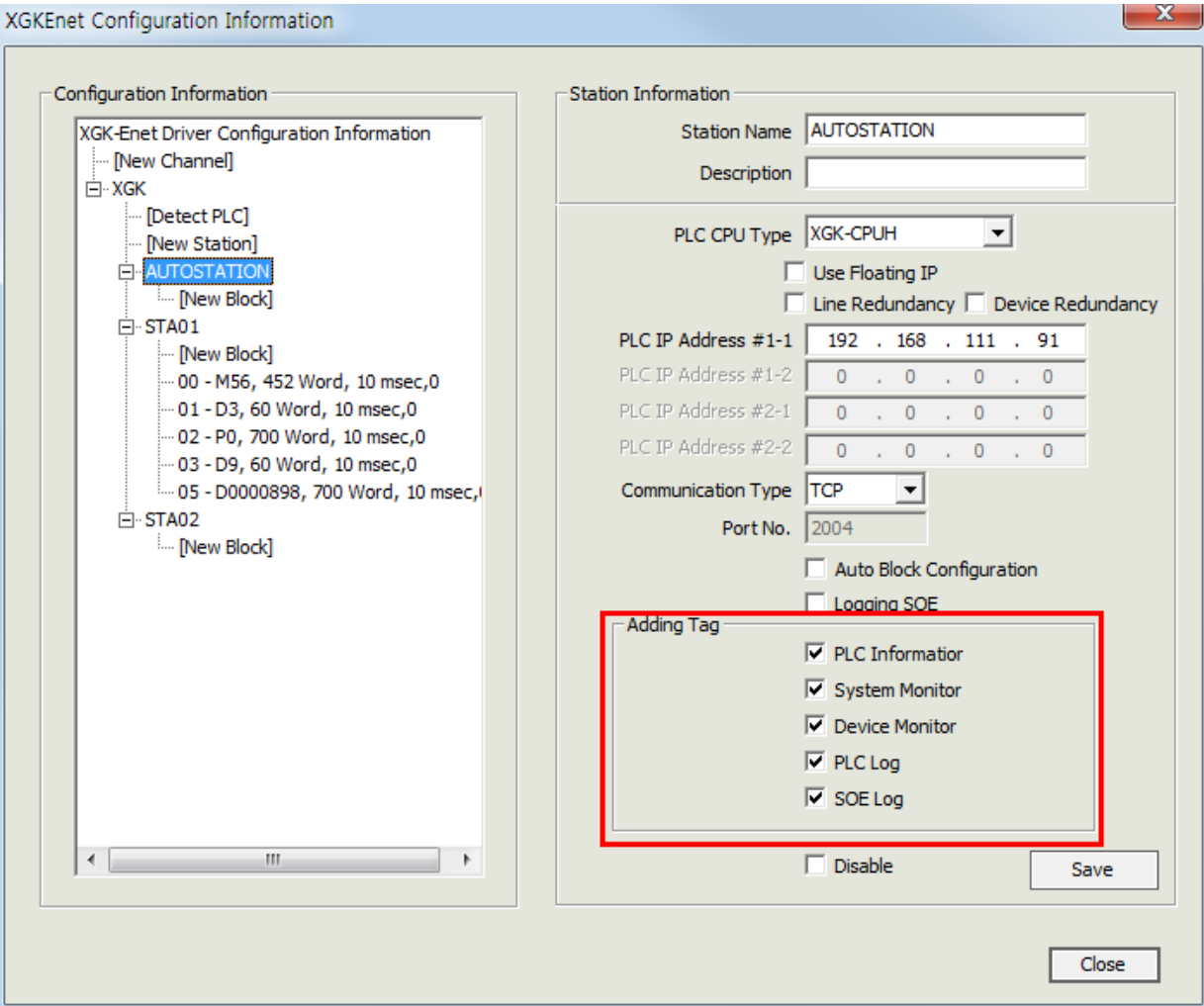
Close

11.5.3 Adding tags by function

Automatic setting diagnostics support five functions, and tags to be added for each function are as follows.


Functions to support	List of tags to be added
PLC Information	[Channel Name]_[Station Name]_Auto_PI_CNF_ER [Channel Name]_[Station Name]_Auto_PI_CNF_WAR [Channel Name]_[Station Name]_Auto_PI_SYS_STATE
System Monitor	[Channel Name]_[Station Name]_Auto_SM_BaseNo [Channel Name]_[Station Name]_Auto_SM_CpuInfo [Channel Name]_[Station Name]_Auto_SM_CpuType [Channel Name]_[Station Name]_Auto_SM_FEnetBaseNo [Channel Name]_[Station Name]_Auto_SM_FEnetSlotNo [Channel Name]_[Station Name]_Auto_SM_OperationError [Channel Name]_[Station Name]_Auto_SM_Redundant [Channel Name]_[Station Name]_Auto_SM_Slot00 [Channel Name]_[Station Name]_Auto_SM_Slot01 [Channel Name]_[Station Name]_Auto_SM_Slot02 [Channel Name]_[Station Name]_Auto_SM_Slot03 [Channel Name]_[Station Name]_Auto_SM_Slot04 [Channel Name]_[Station Name]_Auto_SM_Slot05 [Channel Name]_[Station Name]_Auto_SM_Slot06 [Channel Name]_[Station Name]_Auto_SM_Slot07 [Channel Name]_[Station Name]_Auto_SM_Slot08 [Channel Name]_[Station Name]_Auto_SM_Slot09 [Channel Name]_[Station Name]_Auto_SM_Slot10 [Channel Name]_[Station Name]_Auto_SM_Slot11 [Channel Name]_[Station Name]_Auto_SM_SystemStatus
Device Monitor	[Channel Name]_[Station Name]_Auto_DM_UserDevice00 [Channel Name]_[Station Name]_Auto_DM_UserDevice01 [Channel Name]_[Station Name]_Auto_DM_UserDevice02 [Channel Name]_[Station Name]_Auto_DM_UserDevice03 [Channel Name]_[Station Name]_Auto_DM_UserDevice04 [Channel Name]_[Station Name]_Auto_DM_UserDevice05 [Channel Name]_[Station Name]_Auto_DM_UserDevice06 [Channel Name]_[Station Name]_Auto_DM_UserDevice07 [Channel Name]_[Station Name]_Auto_DM_UserDevice08 [Channel Name]_[Station Name]_Auto_DM_UserDevice09 [Channel Name]_[Station Name]_Auto_DM_UserDevice10 [Channel Name]_[Station Name]_Auto_DM_UserDevice11 [Channel Name]_[Station Name]_Auto_DM_UserDevice12

	[Channel Name]_[Station Name]_Auto_DM_UserDevice13 [Channel Name]_[Station Name]_Auto_DM_UserDevice14 [Channel Name]_[Station Name]_Auto_DM_UserDevice15
PLC Log	[Channel Name]_[Station Name]_Auto_PL_USE_LOG
SOE Log	[Channel Name]_[Station Name]_Auto_SL_USE_SOE



Check the function you wish to use from the Station setting window and press the “Save” button, and tags corresponding to the selected functions are added.

**Notice**

 You must delete the tags added by the auto setup diagnostic function directly(manuually) in the tag editor.  
(Even if you uncheck it because you do not use the function, the added tags will not be deleted.)

Tag Editor [Manual\_160202]

File(F) Tools(T)

Device Tag

- IO Tag
  - XGI
  - XGK
    - AUTOSTATION
    - STA01
    - STA02
  - XGR
- Memory Tag

Tag Name	Tag Type	Kind	Channel	Station	Address	D
XGK_AUTOSTATION_Auto_DM_UserDevice00	String	General	XGK	AUTOSTATION	\$UserDevice00	U
XGK_AUTOSTATION_Auto_DM_UserDevice01	String	General	XGK	AUTOSTATION	\$UserDevice01	U
XGK_AUTOSTATION_Auto_DM_UserDevice02	String	General	XGK	AUTOSTATION	\$UserDevice02	U
XGK_AUTOSTATION_Auto_DM_UserDevice03	String	General	XGK	AUTOSTATION	\$UserDevice03	U
XGK_AUTOSTATION_Auto_DM_UserDevice04	String	General	XGK	AUTOSTATION	\$UserDevice04	U
XGK_AUTOSTATION_Auto_DM_UserDevice05	String	General	XGK	AUTOSTATION	\$UserDevice05	U
XGK_AUTOSTATION_Auto_DM_UserDevice06	String	General	XGK	AUTOSTATION	\$UserDevice06	U
XGK_AUTOSTATION_Auto_DM_UserDevice07	String	General	XGK	AUTOSTATION	\$UserDevice07	U
XGK_AUTOSTATION_Auto_DM_UserDevice08	String	General	XGK	AUTOSTATION	\$UserDevice08	U
XGK_AUTOSTATION_Auto_DM_UserDevice09	String	General	XGK	AUTOSTATION	\$UserDevice09	U
XGK_AUTOSTATION_Auto_DM_UserDevice10	String	General	XGK	AUTOSTATION	\$UserDevice10	U
XGK_AUTOSTATION_Auto_DM_UserDevice11	String	General	XGK	AUTOSTATION	\$UserDevice11	U
XGK_AUTOSTATION_Auto_DM_UserDevice12	String	General	XGK	AUTOSTATION	\$UserDevice12	U
XGK_AUTOSTATION_Auto_DM_UserDevice13	String	General	XGK	AUTOSTATION	\$UserDevice13	U
XGK_AUTOSTATION_Auto_DM_UserDevice14	String	General	XGK	AUTOSTATION	\$UserDevice14	U
XGK_AUTOSTATION_Auto_DM_UserDevice15	String	General	XGK	AUTOSTATION	\$UserDevice15	U
XGK_AUTOSTATION_Auto_PI_CNF_ER	Analog	General	XGK	AUTOSTATION	\$F0002	A
XGK_AUTOSTATION_Auto_PI_CNF_WAR	Analog	General	XGK	AUTOSTATION	\$F0004	A
XGK_AUTOSTATION_Auto_PI_SYS_STATE	Analog	General	XGK	AUTOSTATION	\$F0000	P
XGK_AUTOSTATION_Auto_PL_USE_LOG	Analog	General	XGK	AUTOSTATION	\$USE_LOG	P
XGK_AUTOSTATION_Auto_SL_USE_SOE	Analog	General	XGK	AUTOSTATION	\$USE_SOE	S
XGK_AUTOSTATION_Auto_SM_BaseNo	Analog	General	XGK	AUTOSTATION	\$BaseNo	B
XGK_AUTOSTATION_Auto_SM_CpuInfo	Analog	General	XGK	AUTOSTATION	\$CpuInfo	C
XGK_AUTOSTATION_Auto_SM_CpuType	Analog	General	XGK	AUTOSTATION	\$CpuType	C
XGK_AUTOSTATION_Auto_SM_FEnetBaseNo	Analog	General	XGK	AUTOSTATION	\$FEnetBaseNo	F
XGK_AUTOSTATION_Auto_SM_FEnetSlotNo	Analog	General	XGK	AUTOSTATION	\$FEnetSlotNo	F
XGK_AUTOSTATION_Auto_SM_OperationError	Analog	General	XGK	AUTOSTATION	\$OperationError	O
XGK_AUTOSTATION_Auto_SM_Redundant	Analog	General	XGK	AUTOSTATION	\$Redundant	R
XGK_AUTOSTATION_Auto_SM_Slot00	Analog	General	XGK	AUTOSTATION	\$Slot00	S
XGK_AUTOSTATION_Auto_SM_Slot01	Analog	General	XGK	AUTOSTATION	\$Slot01	S
XGK_AUTOSTATION_Auto_SM_Slot02	Analog	General	XGK	AUTOSTATION	\$Slot02	S
XGK_AUTOSTATION_Auto_SM_Slot03	Analog	General	XGK	AUTOSTATION	\$Slot03	S
XGK_AUTOSTATION_Auto_SM_Slot04	Analog	General	XGK	AUTOSTATION	\$Slot04	S
XGK_AUTOSTATION_Auto_SM_Slot05	Analog	General	XGK	AUTOSTATION	\$Slot05	S
XGK_AUTOSTATION_Auto_SM_Slot06	Analog	General	XGK	AUTOSTATION	\$Slot06	S
XGK_AUTOSTATION_Auto_SM_Slot07	Analog	General	XGK	AUTOSTATION	\$Slot07	S
XGK_AUTOSTATION_Auto_SM_Slot08	Analog	General	XGK	AUTOSTATION	\$Slot08	S
XGK_AUTOSTATION_Auto_SM_Slot09	Analog	General	XGK	AUTOSTATION	\$Slot09	S
XGK_AUTOSTATION_Auto_SM_Slot10	Analog	General	XGK	AUTOSTATION	\$Slot10	S
XGK_AUTOSTATION_Auto_SM_Slot11	Analog	General	XGK	AUTOSTATION	\$Slot11	S
XGK_AUTOSTATION_Auto_SM_SystemStatus	Analog	General	XGK	AUTOSTATION	\$SystemStatus	S
XGK_AUTOSTATION_ReadSuccess	Analog	System	XGK	AUTOSTATION	COM.ReadSucc...	S
XGK_AUTOSTATION_ReadTotal	Analog	System	XGK	AUTOSTATION	COM.ReadTotal	S
XGK_AUTOSTATION_RunMode	Analog	System	XGK	AUTOSTATION	COM.RunMode	0
XGK_AUTOSTATION_StationOK	Digital	System	XGK	AUTOSTATION	COM.StationOK	0
XGK_AUTOSTATION_WriteSuccess	Analog	System	XGK	AUTOSTATION	COM.WriteSuc...	A
XGK_AUTOSTATION_WriteTotal	Analog	System	XGK	AUTOSTATION	COM.WriteTotal	A

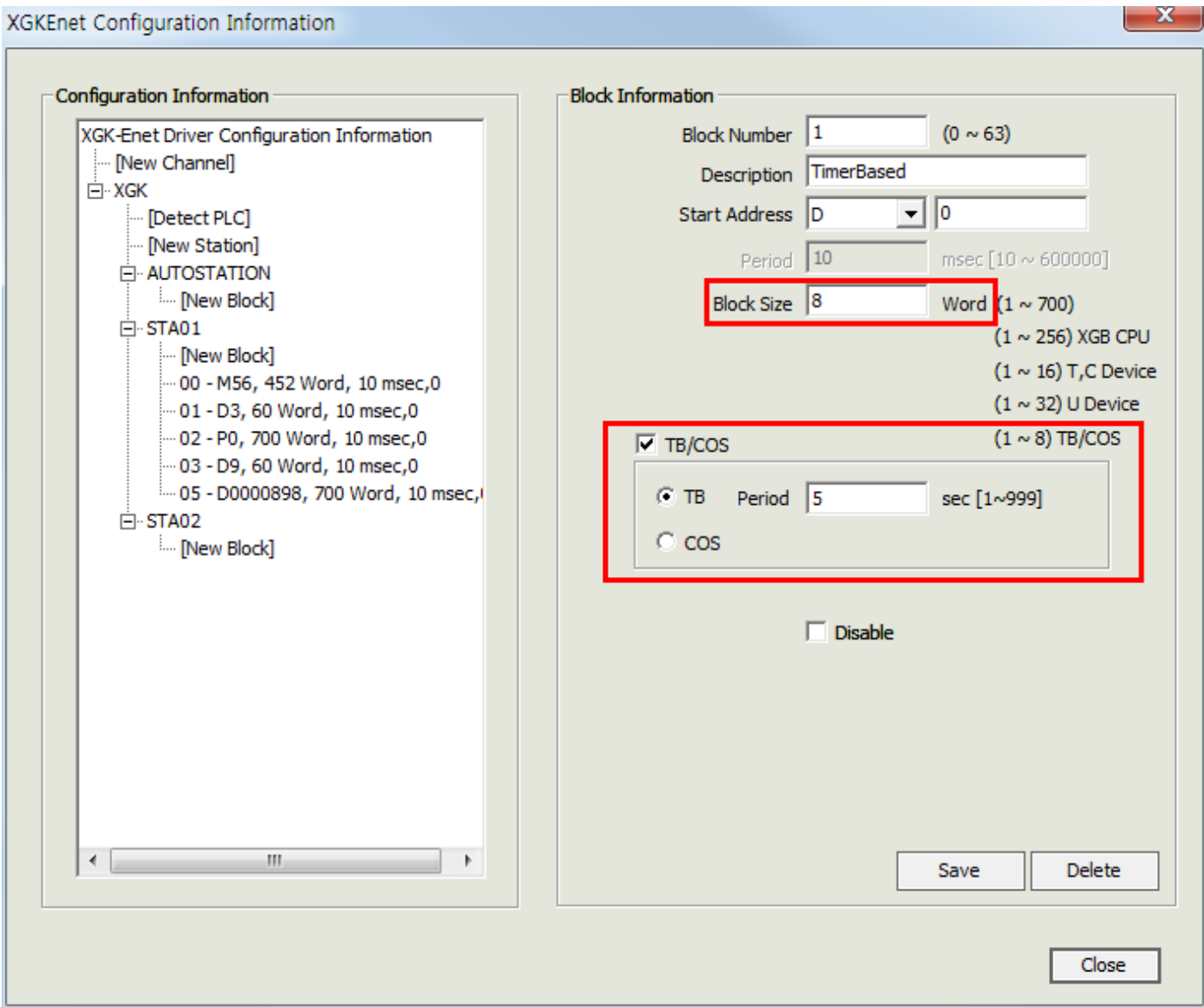
List : 47 / Total : 148

License : Unlimited



11.5.4 TB (Timer Based) block setting

TB (Timer Based) function can be set in the XGKEnet driver block information setting window.



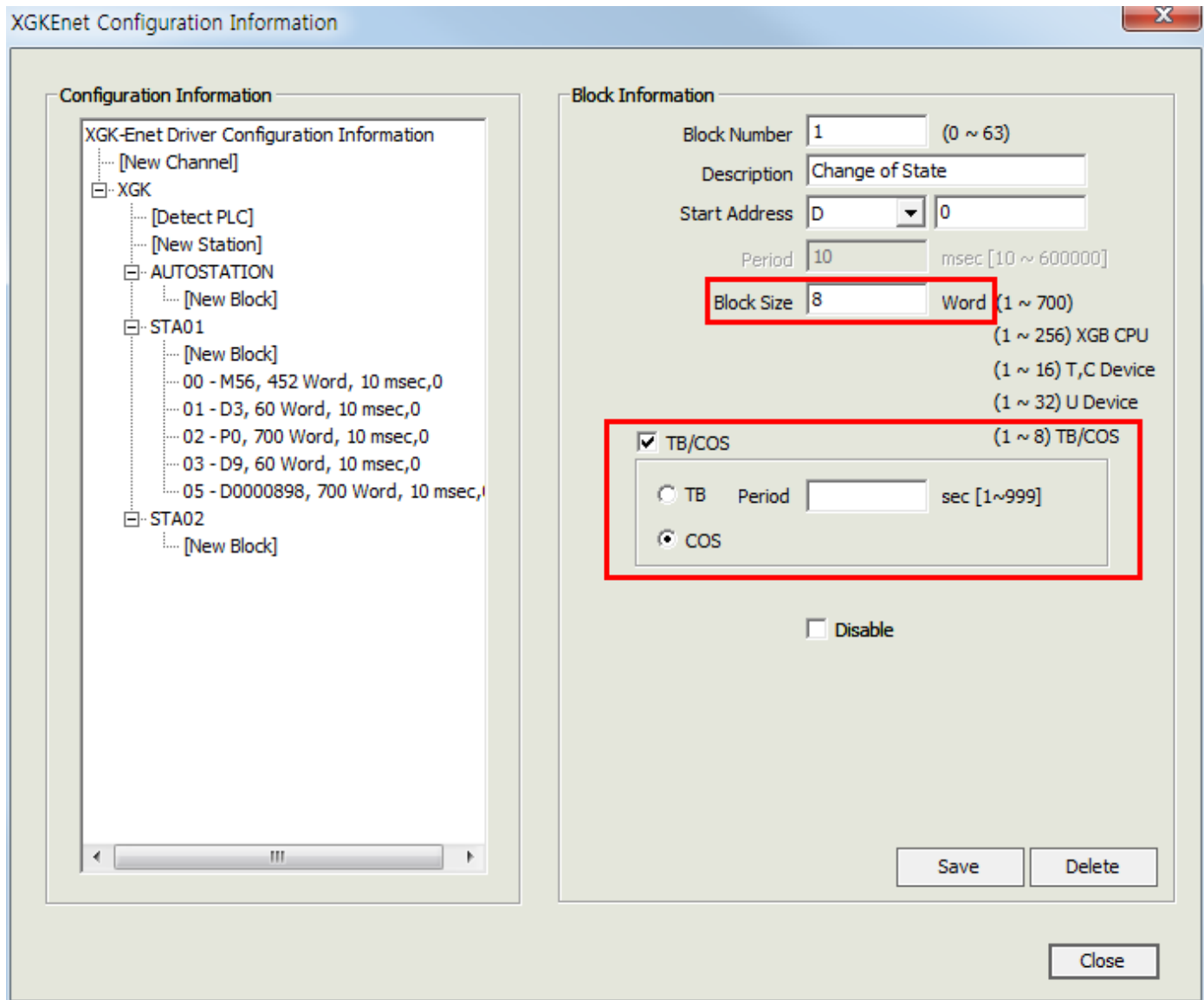
Enter basic block creation items. Check “TB/COS”, select TB and then enter the cycle to be used in TB.

Notice

- ☞ The size of block used in TB should be set within the range of 1 to 8 words.
- ☞ The cycle of TB should be set within the range of 1 to 999 seconds.

11.5.5 COS (Change of State) block setting

COS (Change of State) function can be set in the XGKEnet driver block information setting window.



Enter basic block creation items. Check "TB/COS" and select TB to set whether to use COS function.

Notice

The size of block used in COS should be set within the range of 1 to 8 words.