

1. Introduction

1.1 Connecting to AB PLC by Ethernet/IP protocol.

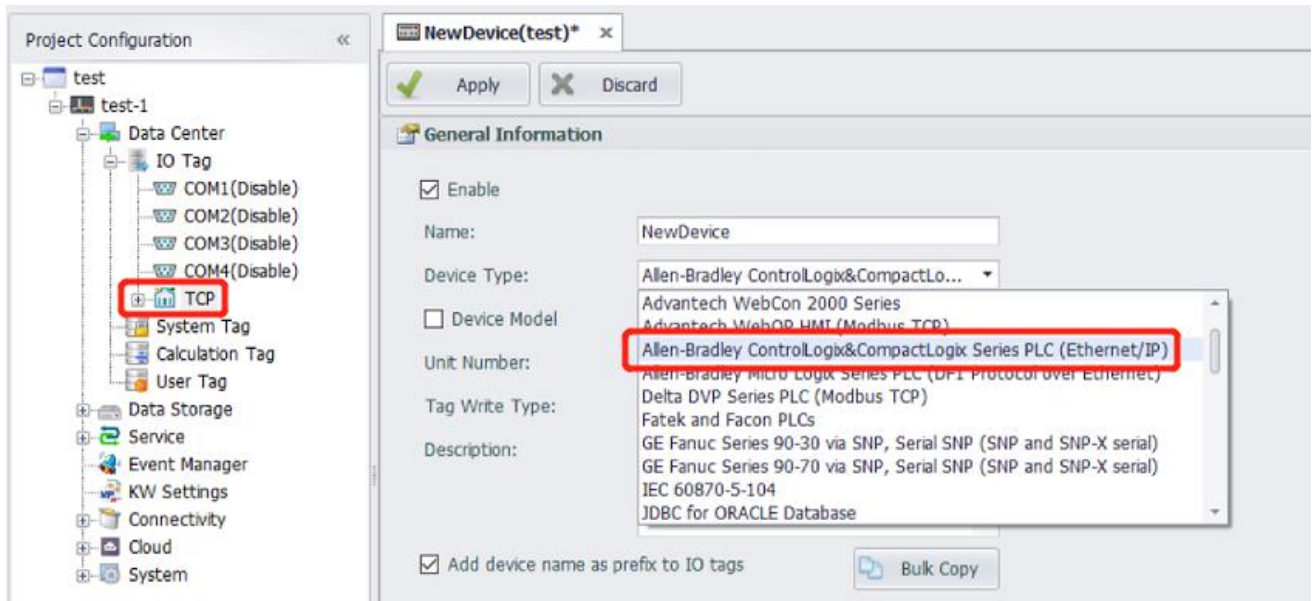
1.2 Data types

The data types supported by AB Ethernet/IP driver for the controller tag name exported by PLC are followings:

- BOOL
- SINT
- INT
- DINT
- LINT
- REAL

2. Configuration in Edglink

2.1 Device Configuration



NewDevice(NewNode)*

Apply Discard

General Information

Enable

Name: NewDevice

Device Type: Allen-Bradley ControlLogix&CompactLo...

Device Model Double Click to Select Device Template ...

Unit Number: 1

Tag Write Type: Single Write

Description:

Add device name as prefix to IO tags Bulk Copy

TCP/IP

IP Address: 192.168.172.5

Port Number: 44818

Extention Properties

Device Address (if other than Unit Number): 1

The settings of “Create New Device” are detailed as follows:

- **Unit Number:** It should be the CPU slot number of the PLC.
Note: The unit number of different device in TCP can’t be the same. If it needs, you can use the “Device Address(if other than Unit Number)”. For example, the CPU slot of PLC is 1 and there is already unit number 1 in your project, you can select and fill in 2 in “Device Address(if other than Unit Number)”.

General Information

Enable

Name: NewDevice

Device Type: Allen-Bradley ControlLogix&CompactLo...

Device Model Double Click to Select Device Template ...

Unit Number: 2

Tag Write Type: Single Write

Description:

Add device name as prefix to IO tags Bulk Copy

TCP/IP

IP Address: 192.168.172.5

Port Number: 44818

Extention Properties

Device Address (if other than Unit Number): 1

- **IP Address:** This parameter specifies the IP address of LOGIX PLC. The Primary IP address must be specified. The Secondary IP address is used only if the PLC has redundant Ethernet port (i.e. two Ethernet ports in the PLC).
- **Port Number:** This parameter specifies the TCP port configured for the Ethernet/IP in the PLC. The default TCP port, 44818, is defined by ODVA as default for ETHERNET/IP protocol.

2.2 Tag Configuration

- **Data Type:** Analog or Discrete
- **Address:** It should be the tag name in PLC.
- **Start Bit:** Analog – 0
Discrete – Correspond to the tag's start bit of PLC.
- **Length(bit):** Analog -- You should fill in the length of the tag.
Discrete -- 1

2.3 Parameter Configuration

Address format	Date Type	Description
SINT	Analog	8 bits signed integer
INT	Analog	16 bits signed integer
DINT	Analog	32 bits signed integer
LINT	Analog	64 bits signed integer
REAL	Analog	32 bits signed float
BOOL	Discrete	1 bits value