

1. Edgeline Configuration—Serial

1.1 Serial Comport Properties

Follow the configuration of PLC to fill in the serial parameters.

<input checked="" type="checkbox"/> Enable	Type: Serial (Built-in or miniPCIe/USB) ▼	Scan Time(ms): 1000
Description: Uart 1 support RS485 or RS232 ▲		Time Out(ms): 3000
		Retry Count: 3
		Auto Recover Time(s): 10

Serial Port Setting

Port: COM1 ▼	Parity: None ▼
Baud Rate: 19200 ▼	RTS: False ▼
Data Bit: 8 ▼	DTR: False ▼
Stop Bit: 1 ▼	

1.2 Device Setting – OmronCJ (Example)

General Information

<input checked="" type="checkbox"/> Enable	Name: NewDevice
Device Type: Omron CJ Series PLC (HostLink) ▼	
<input type="checkbox"/> 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

Extention Properties

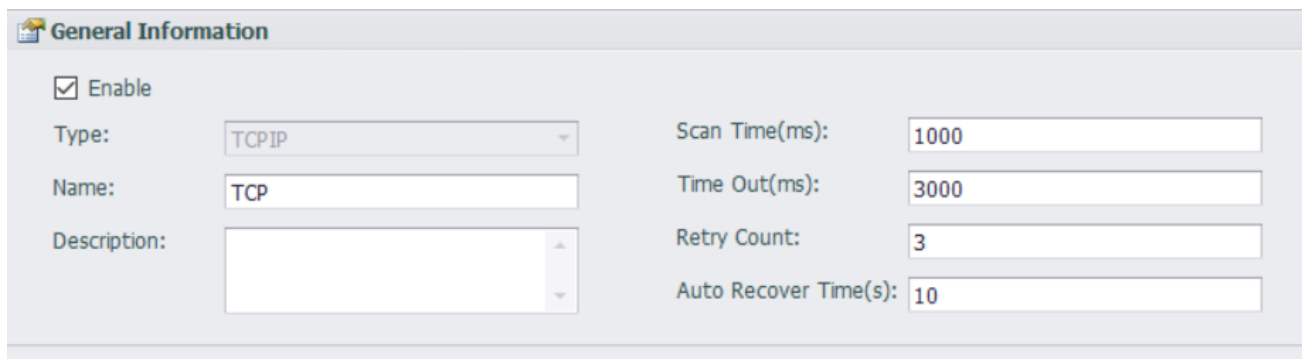
Serial Packet Size (250 for Fins): 30
USE Serial FINS COMMAND: 0

Unit Number: The same as PLC setting.

Use Serial FINS COMMAND: 0 for no, 1 for yes.

2. Edgeline Configuration—TCP/IP

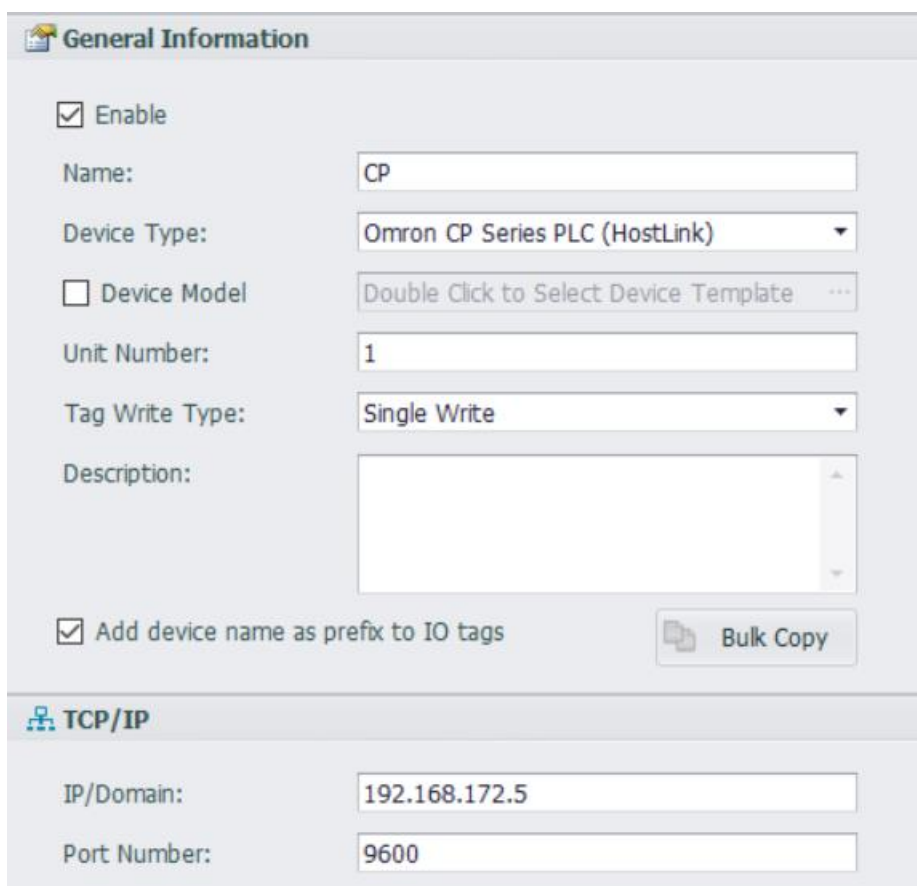
2.1 TCP/IP Comport Properties



The screenshot shows the 'General Information' tab for TCP/IP Comport Properties. It includes the following fields:

- Enable
- Type: TCP (dropdown)
- Name: TCP (text input)
- Description: (empty text area)
- Scan Time(ms): 1000 (text input)
- Time Out(ms): 3000 (text input)
- Retry Count: 3 (text input)
- Auto Recover Time(s): 10 (text input)

2.2 Device Setting – OmronCP (Example)



The screenshot shows the 'General Information' and 'TCP/IP' tabs for Device Setting – OmronCP (Example). The 'General Information' tab includes the following fields:

- Enable
- Name: CP (text input)
- Device Type: Omron CP Series PLC (HostLink) (dropdown)
- Device Model: Double Click to Select Device Template ... (button)
- Unit Number: 1 (text input)
- Tag Write Type: Single Write (dropdown)
- Description: (empty text area)
- Add device name as prefix to IO tags (checkbox)
- Bulk Copy (button)

The 'TCP/IP' tab includes the following fields:

- IP/Domain: 192.168.172.5 (text input)
- Port Number: 9600 (text input)

Extention Properties

Device Address (if other than Unit Number):

Fins Network No.:

FINS Node No.:

TCP/IP Packet Size:

USE TCP:

Unit Number: Different from other device is ok.

IP or Domain: The IP or Domain of the PLC.

Port: The port of PLC. Default is 9600.

Fins No. : Follow the PLC setting.

Use TCP: 0 for no (Use UDP), 1 for yes (Use TCP).

3. Address

1. Omron C

Parameter	Description	Address	Data Type
AR	AR AREA	AR0000	Analog
CPV	Counter Present Value	CPV 0000	Analog
DM	Dm Area	DM0 000	Analog
HR	HR AREA	HR0 000	Analog
IR	IR AREA	IR0000	Analog
LR	LR AREA	LR0000	Analog
TPV	Timer Present Value	TPV0 000	Analog
C	Counter Status	CNT0000	Discrete

IRD	Bit in IR	IR0000	Discrete
MODE	CPU Mode	ST0	Discrete
T	Timer status	TIM0000	Discrete

2. Omron CJ

Analog:

Parameter Name	Type	Address templete	Conversion	Start bit	length	Description
A	Analog	AR0000	Unsigned Interger	0	16	AR Area
CIO	Analog	CIO0000	Unsigned Interger	0	16	CIO
CPV	Analog	CPV0000	BCD	0	16	Counter Present Value
D	Analog	DM0000	Unsigned Interger	0	16	DM
E0	Analog	B0E0000	Unsigned Interger	0	16	EM Bank 0
E1	Analog	B1E0000	Unsigned Interger	0	16	EM Bank 1
E2	Analog	B2E0000	Unsigned Interger	0	16	EM Bank 1
E3	Analog	B3E0000	Unsigned Interger	0	16	EM Bank 1
E4	Analog	B4E0000	Unsigned Interger	0	16	EM Bank 1
E5	Analog	B5E0000	Unsigned Interger	0	16	EM Bank 1
E6	Analog	B6E0000	Unsigned Interger	0	16	EM Bank 1
E7	Analog	B7E0000	Unsigned Interger	0	16	EM Bank 1
E8	Analog	B8E0000	Unsigned Interger	0	16	EM Bank 1
E9	Analog	B9E0000	Unsigned Interger	0	16	EM Bank 1

EA	Analog	BAE0000	Unsigned Interger	0	16	EM Bank 1
EB	Analog	BBE0000	Unsigned Interger	0	16	EM Bank 1
EC	Analog	BCE0000	Unsigned Interger	0	16	EM Bank 1
EM	Analog	EM0000	Unsigned Interger	0	16	EM Current Bank
H	Analog	HR0000	Unsigned Interger	0	16	HR Area
TPV	Analog	TPV0000	BCD	0	16	Timer Present Value
W	Analog	WR0000	Unsigned Interger	0	16	WR Area
MODE	Analog	ST0	Unsigned Interger	8	2	CPU Mode

Digital:

	Type	Address templete	Start bit	length	Description
C	Discrete	CNT0000	0	1	Counter Status
CIOD00	Discrete	CIO0000	0	1	CIO Bit 0
CIOD01	Discrete	CIO0000	1	1	CIO Bit 1
CIOD02	Discrete	CIO0000	2	1	CIO Bit 2
CIOD03	Discrete	CIO0000	3	1	CIO Bit 3
CIOD04	Discrete	CIO0000	4	1	CIO Bit 4
CIOD05	Discrete	CIO0000	5	1	CIO Bit 5
CIOD06	Discrete	CIO0000	6	1	CIO Bit 6
CIOD07	Discrete	CIO0000	7	1	CIO Bit 7
CIOD08	Discrete	CIO0000	8	1	CIO Bit 8
CIOD09	Discrete	CIO0000	9	1	CIO Bit 9
CIOD10	Discrete	CIO0000	10	1	CIO Bit 10
CIOD11	Discrete	CIO0000	11	1	CIO Bit 11
CIOD12	Discrete	CIO0000	12	1	CIO Bit 12
CIOD13	Discrete	CIO0000	13	1	CIO Bit 13
CIOD14	Discrete	CIO0000	14	1	CIO Bit 14
CIOD15	Discrete	CIO0000	15	1	CIO Bit 15
T		TIM0000	0	1	Timer Status

3. Omron CS

Parameter Name	Type	Address templete	Conversion	Start bit	length	Description
A	Analog	AR0000	Unsigned Interger	0	16	AR Area
CIO	Analog	CIO0000	Unsigned Interger	0	16	CIO
CPV	Analog	CPV0000	BCD	0	16	Counter Present Value
D	Analog	DM0000	Unsigned Interger	0	16	DM
E0	Analog	B0E0000	Unsigned Interger	0	16	EM Bank 0
E1	Analog	B1E0000	Unsigned Interger	0	16	EM Bank 1
E2	Analog	B2E0000	Unsigned Interger	0	16	EM Bank 1
E3	Analog	B3E0000	Unsigned Interger	0	16	EM Bank 1
E4	Analog	B4E0000	Unsigned Interger	0	16	EM Bank 1
E5	Analog	B5E0000	Unsigned Interger	0	16	EM Bank 1
E6	Analog	B6E0000	Unsigned Interger	0	16	EM Bank 1
E7	Analog	B7E0000	Unsigned Interger	0	16	EM Bank 1
E8	Analog	B8E0000	Unsigned Interger	0	16	EM Bank 1
E9	Analog	B9E0000	Unsigned Interger	0	16	EM Bank 1
EA	Analog	BAE0000	Unsigned Interger	0	16	EM Bank 1
EB	Analog	BBE0000	Unsigned Interger	0	16	EM Bank 1

EC	Analog	BCE0000	Unsigned Interger	0	16	EM Bank 1
EM	Analog	EM0000	Unsigned Interger	0	16	EM Current Bank
H	Analog	HR0000	Unsigned Interger	0	16	HR Area
TPV	Analog	TPV0000	BCD	0	16	Timer Present Value
W	Analog	WR0000	Unsigned Interger	0	16	WR Area
MODE	Analog	ST0	Unsigned Interger	8	2	CPU Mode
C	Discrete	CNT0000		0	1	Counter Status
T	Discrete	TIM0000		0	1	Timer Status

4. Omron CV

Parameter Name	Type	Address templete	Conversion	Start bit	length	Description
A	Analog	AR0000	Unsigned Interger	0	16	AR Area
CIO	Analog	CIO0000	Unsigned Interger	0	16	CIO
CPV	Analog	CPV0000	BCD	0	16	Counter Present Value
D	Analog	DM0000	Unsigned Interger	0	16	DM
EM	Analog	EM0000	Unsigned Interger	0	16	EM Current Bank
H	Analog	HR0000	Unsigned Interger	0	16	HR Area
TPV	Analog	TPV0000	BCD	0	16	Timer Present Value
MODE	Analog	ST0	Unsigned Interger	8	2	CPU Mode
C	Discrete	CNT0000		0	1	Counter Status
T	Discrete	TIM0000		0	1	Timer Status

5. Omron E5

Parameter Name	Type	Address template	Conversion	Start bit	length	Description
ALMV1	Analog	R%,1	Integer	0	16	Alarm Value1
ALMV2	Analog	R%,2	Integer	0	16	Alarm Value2
ISHIFT	Analog	RI,1	Integer	0	16	Input Shift Value
MV	Analog	RO,1	integer	0	16	MV
PBAND	Analog	RB,1	integer	0	16	Proportional Band
PV	Analog	RX,1	integer	0	16	PV
SP	Analog	RS,1	integer	0	16	Set Point
SP_HI	Analog	RL,1	integer	0	16	Set Point Upper Limit Value
SP_LO	Analog	RL,1/2	integer	0	16	Set Point Lower Limit Value
TB	Analog	RW,1	integer	0	16	Temperature Burnout Dection
TD	Analog	RV,1	integer	0	16	Derivative Time
TI	Analog	RN,1	integer	0	16	Integral Time
ALM1	Discrete	RX,1/2		9	1	Alarm 1 Status
ALM2	Discrete	RX,1/2		10	1	Alarm 2 Status