

Allen-Bradley Ethernet DF1

1. V-box Setting:

Select:Port--->"Ethernet"

Device Type--->"Allen-Bradley"

Protocol--->"Allen-Bradley Ethernet DF1"

Set IP Address as PLC's IP, such as "192.168.1.100"

Note: Ensure that PLC IP and V-box IP are in the same network segment "192.168.1.xx"

Edit Port

Port: Ethernet

Device Type: Allen-Bradley

Protocol: Allen-Bradley Et...

Device Station No.: 0

Retry Count: 2

Wait Timeout: 1500 ms

Integration interval: 0 ms

Delay Time: 0 ms

Network type: tcp_client_2n

Port: 44818

Broadcast Station No.: 0

Enable Broadcast: ☒ OFF

IP Address: 192.168.1.100

Cancel OK

2. PLC Setting:

Communication mode: Port Setting--->10/100 Mbps Full Duplex/Half Duplex

set PLC IP in "Internet Protocol"

Controller Organizer

Controller TEST1

- Controller Tags
- Controller Fault Handler
- Power-Up Handler
- Tasks
 - MainTask
 - MainProgram
 - Unscheduled
- Motion Groups
 - Ungrouped Axes
- Alarm Manager
- Assets
- Logical Model
 - I/O Configuration
 - 5069 Backplane
 - A1, Ethernet
 - A2, Ethernet

Controller Properties - TEST1

General Major Faults Minor Faults Date/Time Nonvolatile Memory Capacity Internet Protocol* Advanced SFC Execution Port Configuration Security Project Alarm Log

Port: A1

☒ Manually configure IP settings
☐ Obtain IP settings automatically using DHCP

IP Address: 192 . 168 . 1 . 100 Subnet Mask: 255 . 255 . 255 . 0

Gateway Address: 192 . 168 . 1 . 1

Domain Name: Primary DNS Server Address: 192 . 168 . 1 . 1

Host Name: Secondary DNS Server Address: 0 . 0 . 0 . 0

OK Cancel Apply Help

Create new tags (Controller Tags and Program Tags supported)

The screenshot displays the 'Controller Organizer' on the left and the 'Controller Tags - TEST1(controller)' window on the right. In the 'Controller Organizer', the 'Controller Tags' folder under 'Controller TEST1' is highlighted with a red box. Below it, the 'MainProgram' folder is also highlighted with a red box. The 'Controller Tags - TEST1(controller)' window shows a table of tags for the 'TEST1' scope. The table has columns: Name, Base Tag, Data Type, Description, and Extern. The tags listed are: Local1:I, Local1:C, P1, P2, and F1. The 'P1' and 'P2' tags are highlighted. Below this, the 'Program Parameters and Local Tags - MainProgram' window is shown, displaying a table of tags for the 'MainProgram' scope. The table has columns: Name, Usage, Value, Force Mask, Style, and Data Type. The tags listed are: tag, Pump_site, PartName, ErrorMessage2, and ErrorMessage1. The 'tag' tag is highlighted.

Name	Base Tag	Data Type	Description	Extern
Local1:I		AB:5000_DI16:I:0		Read/
Local1:C		AB:5000_DI16:C:0		Read/
P1		Pump	Pump01	Read/
P2		Pump	Pump02	Read/
F1		Fluid	Fluid01	Read/

Name	Usage	Value	Force Mask	Style	Data Type
tag	Local	[...]	[...]	[...]	STRING[5]
Pump_site	Local	[...]	[...]	[...]	Pump[5]
PartName	Local	[...]	[...]	[...]	STRING[100]
ErrorMessage2	Local	"	[...]	[...]	STRING
ErrorMessage1	Local	"	[...]	[...]	STRING