

Ethernet/IP simple example

Cyclic communication between FP0H and FP7

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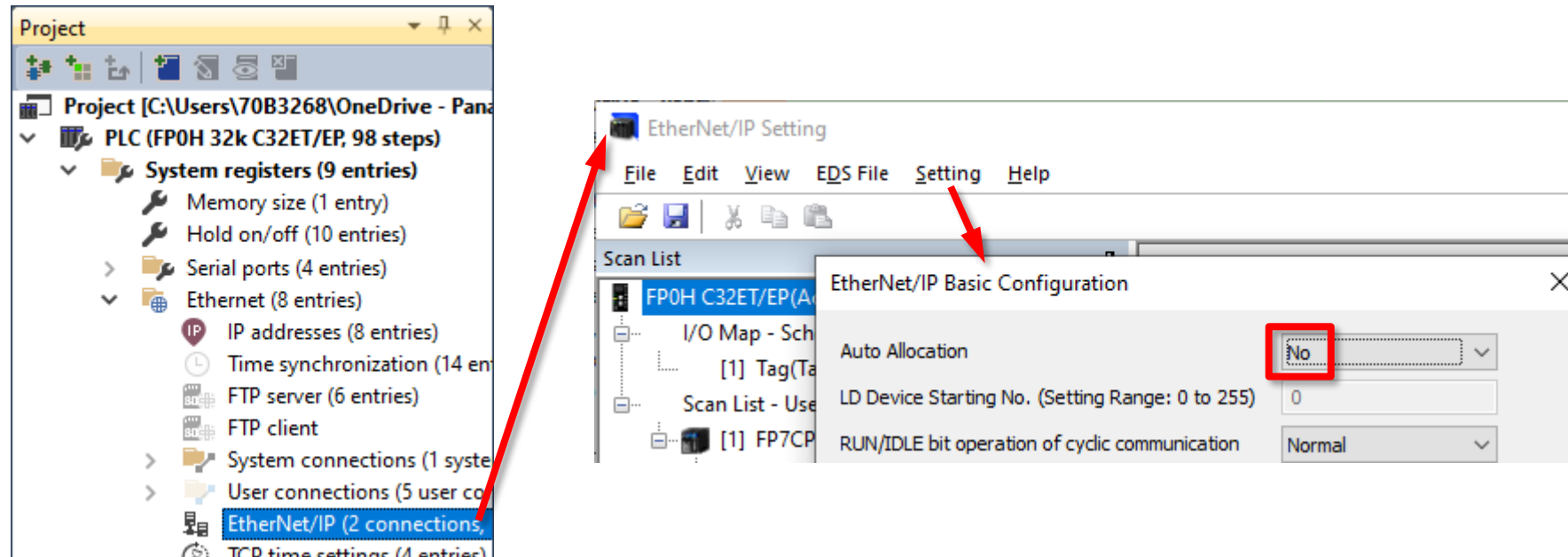
Panasonic Industry Europe GmbH

Engineering & Services

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General parameter setting

To be more flexible in using different PLC addresses for communication, set the parameter “Auto Allocation” to “No”. Otherwise only PLC addresses of type LD can be used.



General knowledge.

FP0H and FP7 can only actively read data from each other.

For the opposite direction, these CPUs only make the data available to be read, which then has to be actively read by another participant.

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Data exchange in this example

Station 1



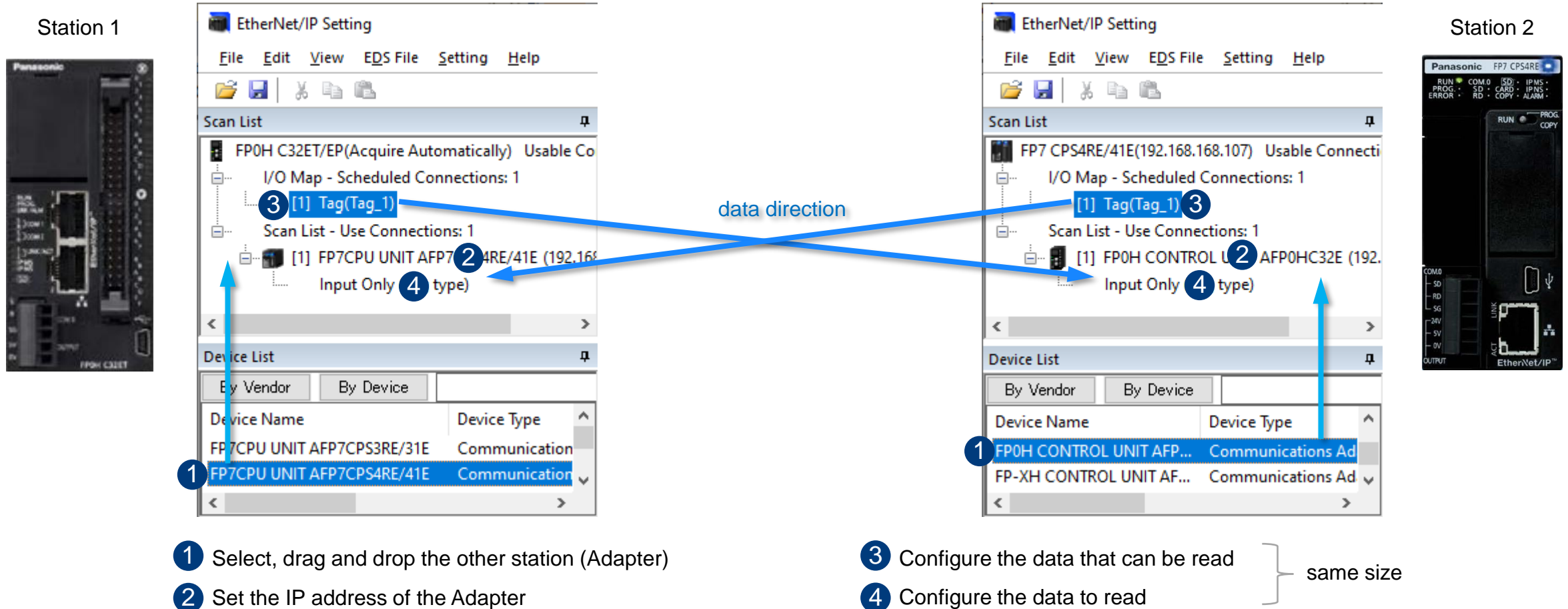
Station 1 (FP0H)			Station 2 (FP7)	
Activity	Memory	Direction	Memory	Activity
	DT10-DT29	→	DT10-DT29	reading
reading	DT50-DT69	←	DT50-DT69	

Station 2



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1. Set the own CPU IP address at: **System register settings** → **Ethernet** → **IP addresses**
2. Start the EtherNet/IP configurator



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For communication, no PLC program is required.

However, the sample programs contain:

- Global variables for data exchange
- A DUT (data unit type) to access communication data with different data types
- EtherNet/IP communication status bits
- Some code for measuring the number of transmission cycles per second

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