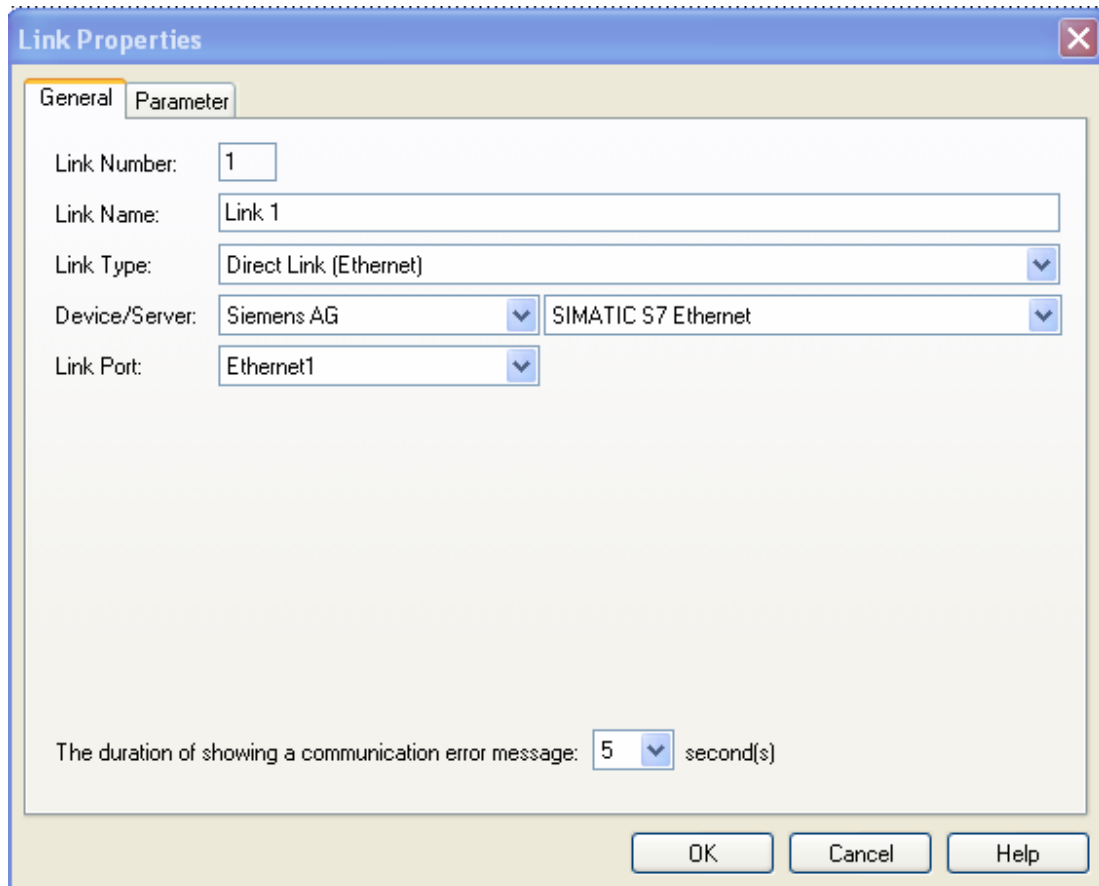


## Setup PM Designer to Access Siemens PLC via Ethernet

1. On Link Properties dialog General TAB, Select Direct Link(Ethernet) in Link Type, Select Siemens AG in Device/Server and Select SIMATIC S7 Ethernet as showing in the following picture



The screenshot shows the 'Link Properties' dialog box with the 'General' tab selected. The 'Link Number' is set to 1, and the 'Link Name' is 'Link 1'. The 'Link Type' is 'Direct Link (Ethernet)'. The 'Device/Server' is set to 'Siemens AG' and the 'Link Port' is 'Ethernet1'. The 'Duration of showing a communication error message' is set to 5 seconds. The 'Parameter' tab is also visible but not selected.

Field	Value
Link Number:	1
Link Name:	Link 1
Link Type:	Direct Link (Ethernet)
Device/Server:	Siemens AG
Link Port:	Ethernet1
The duration of showing a communication error message:	5 second(s)

Buttons: OK, Cancel, Help

2. On Link Properties dialog Parameter TAB, enter IP Address and Port as usual. The Important thing is to input the correct value of Rack Number and Slot number. You have to change these two values according to your PLC configuration. Checking “Use Default Rack and Slot Number” will reset the Rack Number and Slot Number to default value.

The screenshot shows the 'Link Properties' dialog box with the 'Parameter' tab selected. The 'IP Address' field is set to '192.168.1.211'. The 'Port' field is set to '102'. The 'Use Default Port' checkbox is checked. The 'Use Default Rack and Slot Number' checkbox is also checked. The 'Rack Number' field is set to '1' and the 'Slot Number' field is set to '1'. The 'Timeout Time' field is set to '0' with a multiplier of '(x 0.1 Sec.)'. The 'Command Delay' field is set to '0' with a multiplier of '(x 0.1 Sec.)'. The 'Retry Count' field is set to '0'. At the bottom right, there are three buttons: 'OK', 'Cancel', and 'Help'.

Link Properties

General Parameter

IP Address: 192.168.1.211

☒ Use Default Port

Port: 102

☒ Use Default Rack and Slot Number

Rack Number: 1 Slot Number: 1

Timeout Time: 0 (x 0.1 Sec.)

Command Delay: 0 (x 0.1 Sec.)

Retry Count: 0

OK Cancel Help

3. It is very important that all the blocks you created in your PLC program must have the “Symbolic access only” option unchecked in order to allow PV panel access the blocks, otherwise your blocks in PLC program can not be accessed by PV panel and communication error would be displayed on PV panel screen.

**Add new block**

Name: Data\_block\_1

**Type:** Global DB

**Language:** DB

**Number:** 1

☐ Manual

☒ Automatic

☐ Symbolic access only

**Description:**  
Data blocks (DBs) are data areas in the program that contain user data.  
Select one of the following types:  
- A global data block  
- An instance data block

[more...](#)

**Further information**

☒ Add new and open

OK Cancel