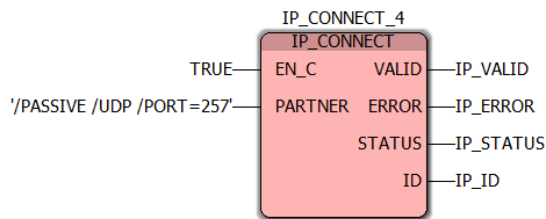


3 Examples of receiving TCP / UDP data into a PLC

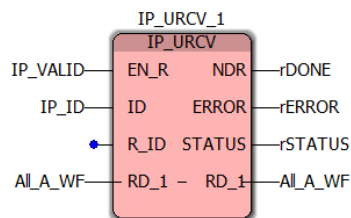
For

- PC WORX
- FUJI DWIN300
- TIA PORTAL



(*PC_WORX UDP example*)

+



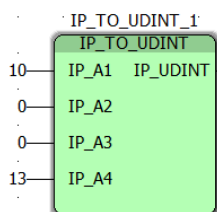
(*RD_1 Data Structure

The IP URCV has a header of receive Data
A_WF:

```
STRUCT
    ID : INT;
    FxCRC:INT;
    FxCT :INT;
    FxST1 :WORD;
    FxST2 :WORD;
    FxST3 :WORD;
    FxST4 :WORD;
    FxST5 :WORD;
    FxST6 : WORD;
    FxST7 : WORD;
    FxST8 : WORD;
    FxST9 :WORD;
    FxST10: WORD;
END_STRUCT;
Arry_A_WF : ARRAY[1..112] OF A_WF;
```

```
All_A_WF:
STRUCT
    NoBytes : INT;
    ID : WORD;
    TM1 : WORD;
    TM2 : WORD;
    DCnt : INT;
    Arry_A_WF : Arry_A_WF;
END_STRUCT;*)
```

(*FUJI DWIN300 Example*)

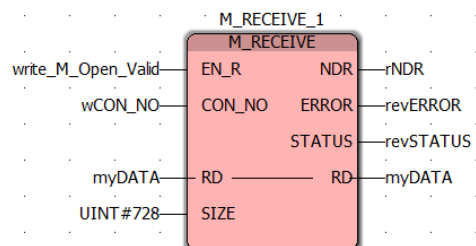
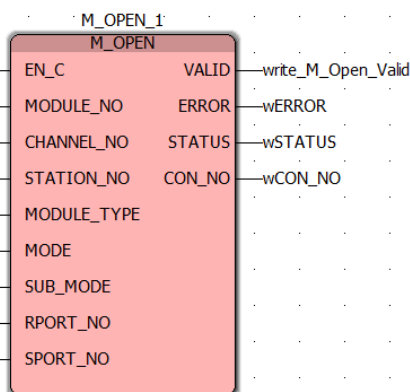


(*PORT is Fixed at 257*)

(*UINT#16#A092

2 = General Purpose Mode 0010
9 = UPD and Autoreopen 1001
0 = Not Used
A = Uppassive / Open afer complete / Des Mode disable *)

+



(*RD Structure

myDATA : ARRAY [1..1000] OF WORD;*)

Siemens TAI Portal V15

▼ M_RECV	TCON_IP_v4		☐	☐	☐	☐	☒		
■ Interfaceld	HW_ANY	64	☐	☐	☐	☐	☐		HW-identifier of IE-interface submodule
■ ID	CONN_OUC	100	☐	☐	☐	☐	☐		connection reference / identifier
■ ConnectionType	Byte	19	☐	☐	☐	☐	☐		type of connection: 11=TCP/IP, 19=UDP (17=TCP)
■ ActiveEstablished	Bool	false	☐	☐	☐	☐	☐		active/passive connection establishment
▼ RemoteAddress	IP_V4		☐	☐	☐	☐	☒		remote IP address (IPv4)
■ ▼ ADDR	Array[1..4] of Byte		☐	☐	☐	☐	☐		IPv4 address
■ ADDR[1]	Byte	16#0	☐	☐	☐	☐	☐		IPv4 address
■ ADDR[2]	Byte	16#0	☐	☐	☐	☐	☐		IPv4 address
■ ADDR[3]	Byte	16#0	☐	☐	☐	☐	☐		IPv4 address
■ ADDR[4]	Byte	16#0	☐	☐	☐	☐	☐		IPv4 address
■ RemotePort	UInt	257	☐	☐	☐	☐	☐		remote UDP/TCP port number
■ LocalPort	UInt	257	☐	☐	☐	☐	☐		local UDP/TCP port number

	Name	Data type	Default value	Comment
4	▼ Temp			
5	■ ► MyData	Array[1..1468] of Byte		
▼ Block title: "Main Program Sweep (Cycle)"				
Comment				
▼ Network 1:				
Comment				

