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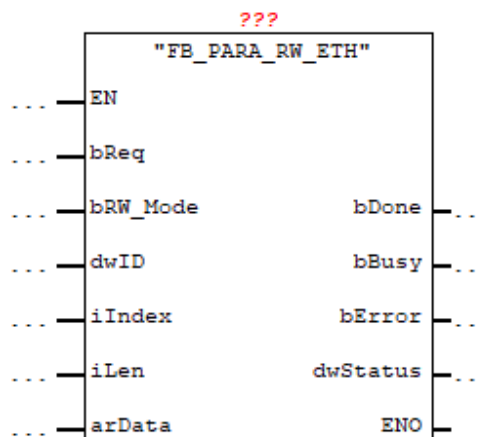
# 1 Function block "FB\_PARA\_RW\_ETH"

## 1.1 Brief description

This function block is used to access parameter data of the respective products via Profinet. The functions Read parameter and Write parameter are available. Please refer to the respective parameter lists for the documents of the corresponding products.

## 1.2 Image of function block

Example of function block:



### 1.3 Parameter - Input

name	data type	description
bReq	BOOL	Execute the read or write process
bRW_Mode	BOOL	Select the mode: 0 = Read 1 = Write
dwID	DWORD	Specification of the diagnostics address
iIndex	INT	Index of the object to be used
iLen	INT	Number of data to be used in bytes
arData	ARRAY [0..231] OF BYTE	Address (pointer) to the data buffer: Read -> read data available Write -> enter data to be written

### 1.4 Parameter - Output

name	data type	description
bDone	BOOL	Record was read or transferred
bBusy	BOOL	Is active during the processing of the process until a feedback occurs
bError	BOOL	Will be activated if an error has occurred
dwStatus	DWORD	Returns the block status or error information (see additional information)

## 1.5 Additional information

In order to be able to map the functions, the corresponding system blocks RDREC and WRREC have been integrated. For information about the status and the error information, refer to the documentation of the system blocks.

At the input parameter dwID, enter the diagnostic address of the port to be processed.

Example of function block – diagnostics address:

Steckplatz	Baugruppe	Bestellnummer ...	E-Adresse	A-Adresse	Diagnoseadresse
0	<b>SCTMi-PNT</b>				<b>2040*</b>
X1	Interface				2039*
P1	Port 1				2038* ←
P2	Port 2				2037*

In this example, the information is read from port 1 of the SCTMi Ethernet. This information can be taken from the hardware configuration. So at the input parameter dwID, enter the diagnostic address of port 1 (2038) in hexadecimal (DW # 16 # 7F6).

## 2 Appendix

### 2.1 List of abbreviations

abbreviation	description
FB	Function block
EPC	Energy- and Processcontrol
CM	Condition Monitoring
EM	Energy Monitoring
PM	Predictive Maintenance

### 2.2 Note

- The byte order of the product is represented as big endian.

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