Readme

For sample project:

Demo_S7V15_1500_RFID-HF_U-INT_FB-IOMapp_R_W2048B_V3.0.0

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1. General information

1.1 Revision history and changes

Revision	Date	Author	Changes
0.10	20.02.2020	A.Bäker	Initial version
0.20			
1.00	20.02.2020	A.Bäker	The revision should be changed to version 1.00 with the technical release. Revision below 1.00 are unreleased preliminary revisions.

1.2 Project information

Topics	Data
Name of the sample project :	Demo_S7Vxx_1x00_RFID-HF_U-INT_FB-IOMapp_R_W2048B_V3.0.0
Short description / Target definition :	
Category :	
Department / Company / Author ID :	Hans Turck GmbH&Co.KG Mülheim an der Ruhr

1.3 Instructions for use

This sample project has been created with great care and is available to the USER free of charge. TURCK does not guarantee faultlessness, excludes all liability and warranty claims, which can be excluded by law and has no obligation to correct any errors. This example project has been tested to a limited extent and has been tested only for its functionality as described. Compliance with the applicable standards, regulations and guidelines as well as the responsibility for safety considerations and use of the sample project is subject to the USER.

1.4 Range of validity

This sample project is based on the hardware and software of the respective manufacturers as well as on the associated documentation. Therefore, this example project only applies to the described installation. New hardware and software versions may require modified handling. Please see the detailed description in the respective manuals.

2. Reference Material

2.1 Hardware

List of used Hardware and their firmware versions.

Vendor	Part no.	Type	Revision	Comment	Quantity
Siemens	6ES7 513-1AL00-0AB0	CPU 1513-1 PN	FW v1.8		
Turck	6814029	TBEN-S2-2RFID-4DXP	FW3.6.0		

2.2 Software

Operating system information

Used programming software and configuration tools (e.g. Programming environment, libraries, device files, etc.)

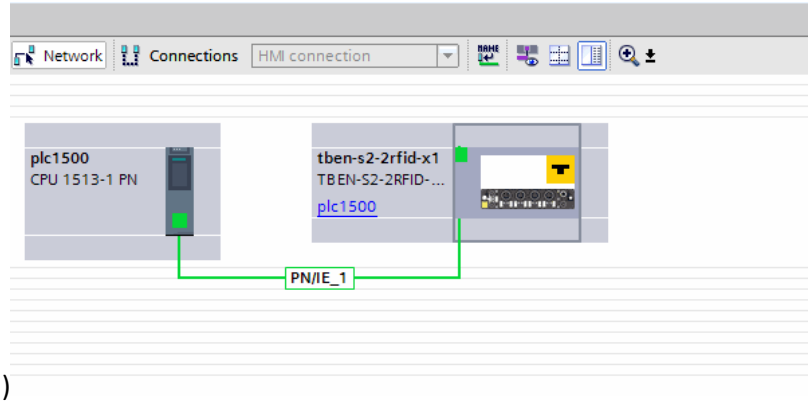
Vendor	Type	Revision	Comment
Siemens	TIA-Portal V15	Version V15 Update 4	
Siemens	TIA-Portal V16	Version V16	

3. Example Application (Demo)

This is an example program to show the RFID compact mode and the RFID extended mode of the TBEN-S2-2RFID-4DXP module on a Siemens PLC.

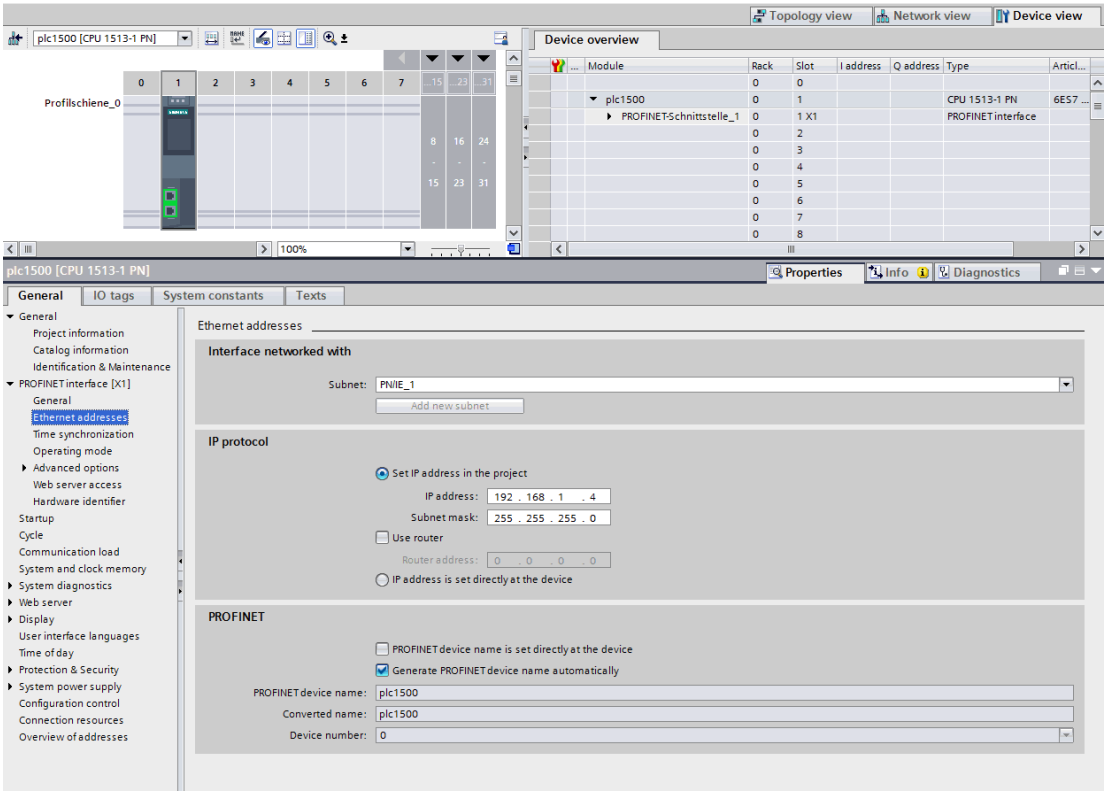
3.1 Configuration (TIA-Portal V15 with the PLC 1513-1 PN)

3.1.1. Overview of the devices

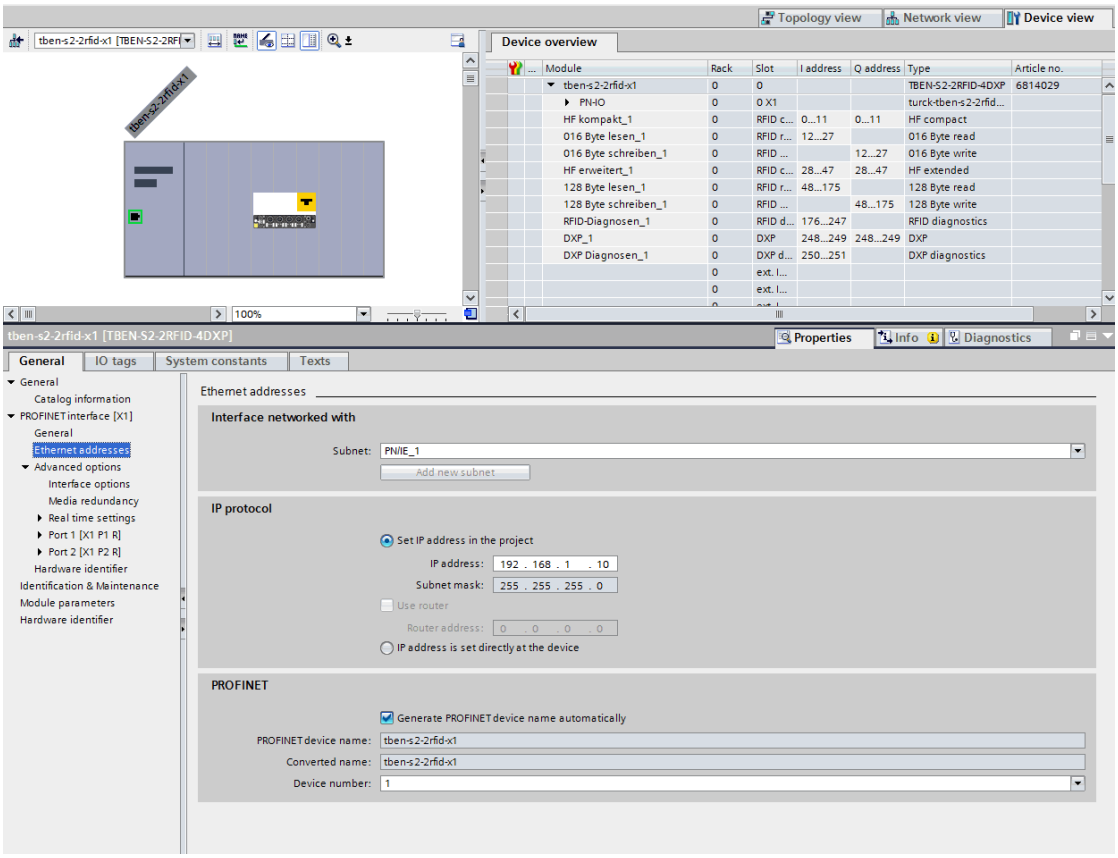


)

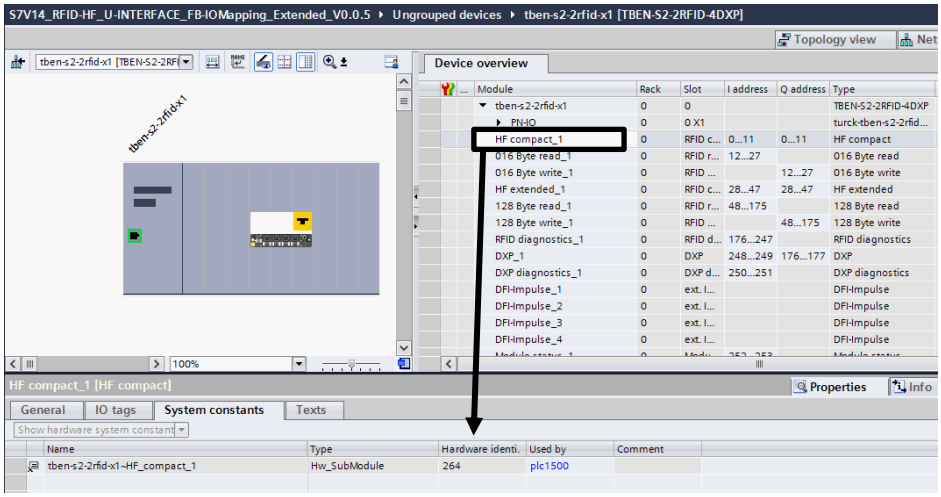
3.1.2. IP settings of the Siemens PLC



3.1.3. PN settings of the TBEN-S2-2RFID-4DXP



3.1.4. HW identification of the SUB modules

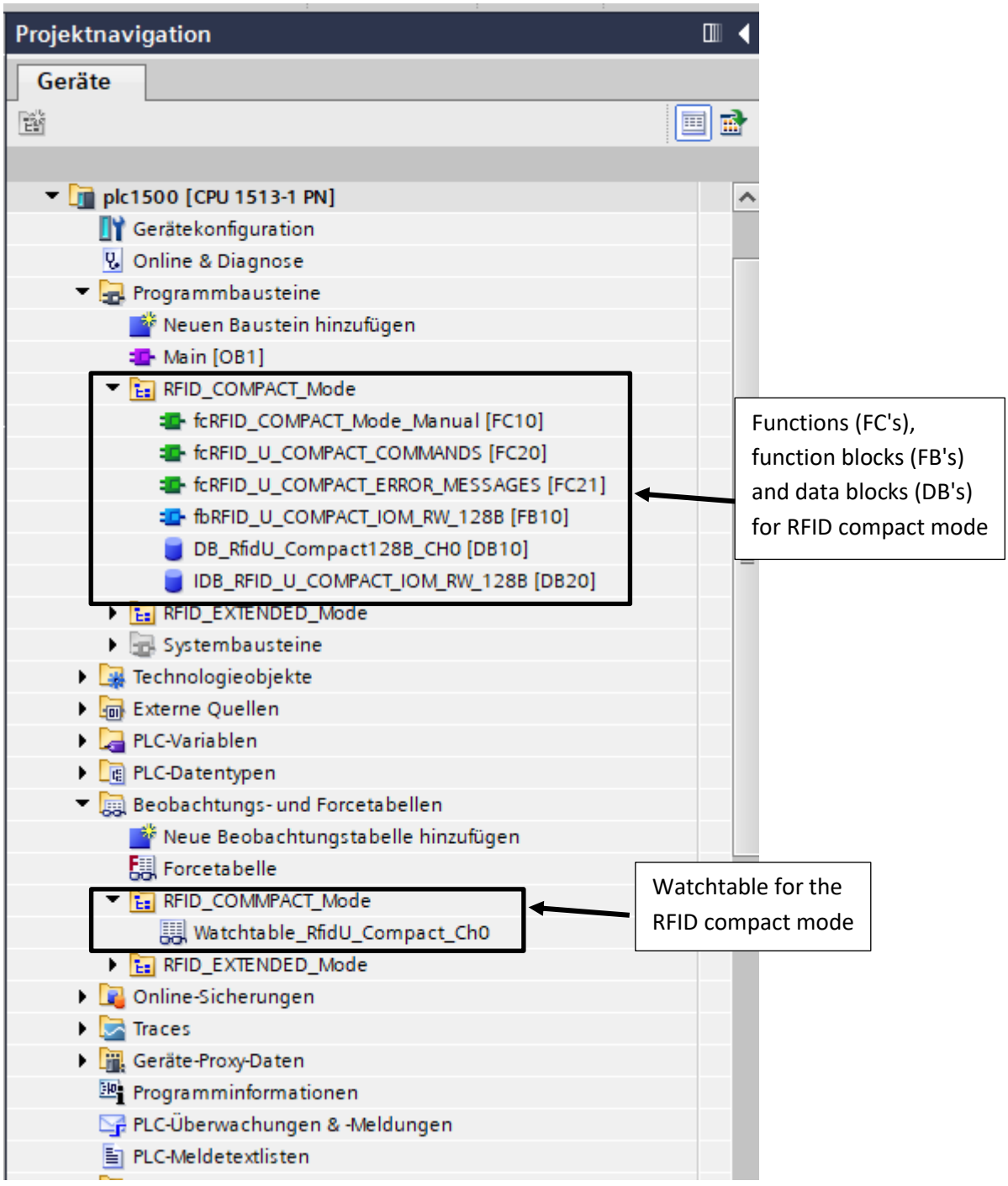


- Each SUB module has its own HW identifier
  For the demo program the following identifiers are given:
  - HF compact_1 = “264”; 016 Byte read_1 = “266”; 016Byte write_1 = “267”
  - HF extended_1 = “268”; 128 Byte read_1 = “269”; 128 Byte write_1 = “270”
- The HW identification of the individual SUB modules is required for the function blocks in the program.

3.2 Description of the function

3.2.1. RFID compact mode

3.2.1.1 General overview

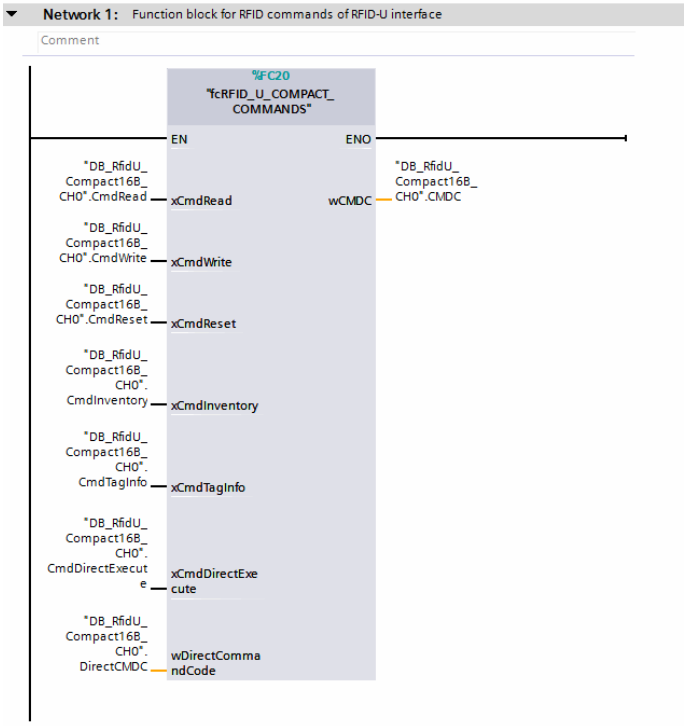


3.2.1.2 Short description of the blocks

3.2.1.2.1 fcRFID_COMPACT_Mode_Manual (FC10)

The FC10 is the main machining module. The other modules are called from this block.

Network1: Call “fcRFID_U_COMPACT_COMMANDS (FC20)”

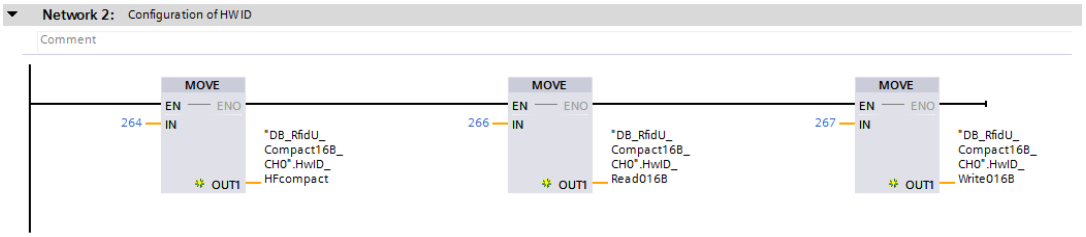


The FC 20 is the function block for the RFID commands. In this module the commands are handled.

Detail of the FC20

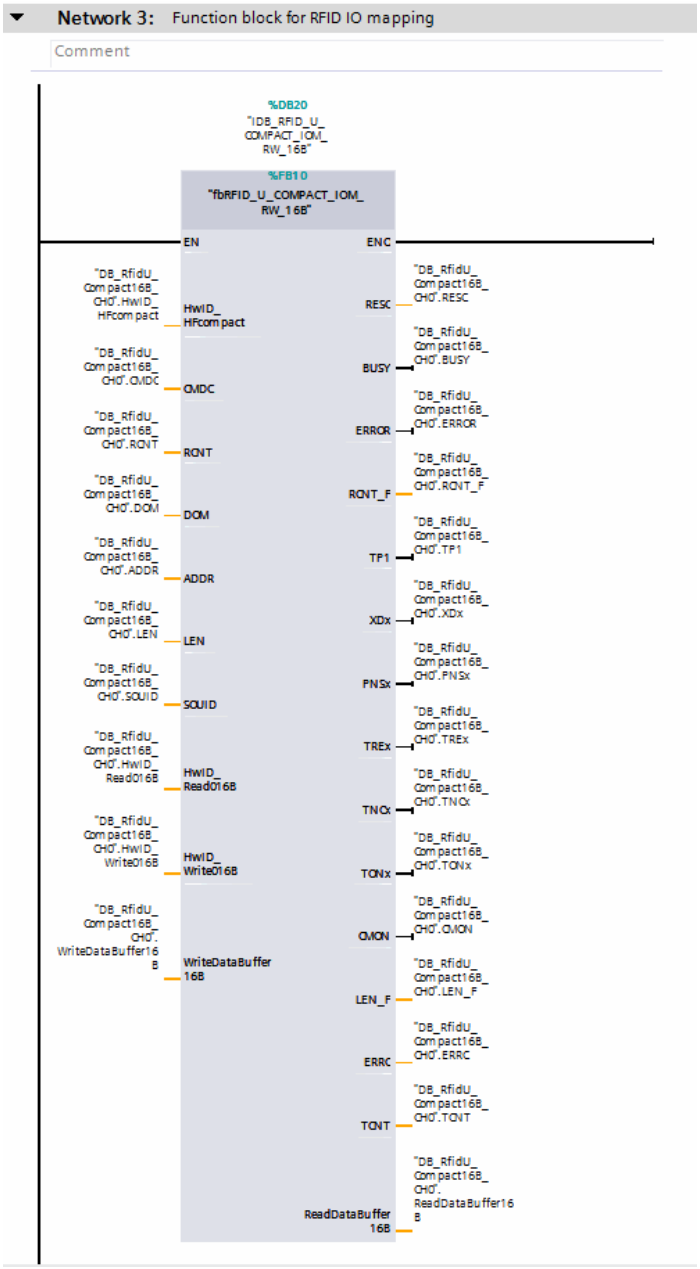
```
// Program:
IF #xCmdRead AND NOT #xCmdWrite AND NOT #xCmdInventory AND NOT #xCmdTagInfo AND NOT #xCmdReset AND NOT  #xCmdDirectExecute THEN
    #wCMDC := 16#0002;  //command read
ELSIF #xCmdWrite AND NOT #xCmdRead AND NOT #xCmdInventory AND NOT #xCmdTagInfo AND NOT #xCmdReset AND NOT  #xCmdDirectExecute THEN
    #wCMDC := 16#0004; //command write
ELSIF #xCmdInventory AND NOT #xCmdWrite AND NOT #xCmdRead AND NOT #xCmdTagInfo AND NOT #xCmdReset AND NOT  #xCmdDirectExecute THEN
    #wCMDC := 16#0001; //command inventory
ELSIF #xCmdTagInfo AND NOT #xCmdWrite AND NOT #xCmdInventory AND NOT #xCmdRead AND NOT #xCmdReset AND NOT  #xCmdDirectExecute THEN
    #wCMDC := 16#0050; //command taginfo
ELSIF #xCmdReset AND NOT #xCmdWrite AND NOT #xCmdInventory AND NOT #xCmdTagInfo AND NOT #xCmdRead AND NOT  #xCmdDirectExecute THEN
    #wCMDC := 16#8000; //command reset
ELSIF #xCmdDirectExecute AND NOT #xCmdWrite AND NOT #xCmdInventory AND NOT #xCmdTagInfo AND NOT #xCmdReset AND NOT  #xCmdRead THEN
    #wCMDC := #wDirectCommandCode; //command directcommandcode
END_IF;
```

Network2: Configuration of HW identifier



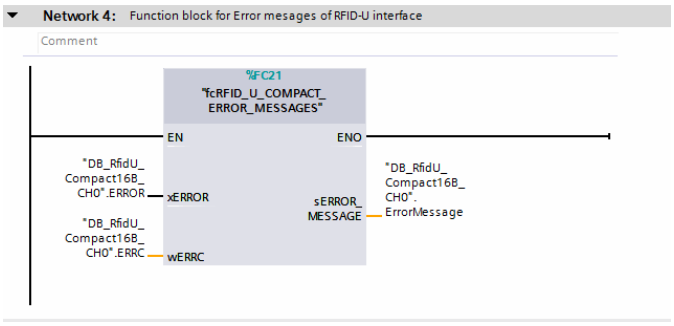
In this network the HW ID's are assigned to the block. The HW ID's are to be taken from the hardware configuration, see under point 3.1.4.

Network 3: Call “fbRFID_U_COMPACT_IOM_RW_16B (FB10)”



In the block FB10 takes place the data exchange to the TBEN-S2-2RFID-4DXP module.

Network 4: Call “fcRFID_U_COMPACT_ERROR_MESSAGES (FC21)”



The FC21 converd the error code in to text message.

3.2.1.3 Overview of watchtable “RfidU_Compact_Ch0”

Configuration the HW identifier

// RFID-U interface - Configuration with HWID - Channel 0					
"DB_RfidU_Compact16B_CH0".HwID_HFcompact	DEC	264			Hardware ID of compact module
"DB_RfidU_Compact16B_CH0".HwID_Read016B	DEC	266			Hardware ID of 16 byte read module (possible variants 8, 16, 32, 64, 128 byte)
"DB_RfidU_Compact16B_CH0".HwID_Write016B	DEC	267			Hardware ID of 16 byte write module (possible variants 8, 16, 32, 64, 128 byte)

Manual commands from the function block “fcRFID_U_COMPACT_COMMANDS (FC20)”

// RFID-U interface - Manual commands with function block				
"DB_RfidU_Compact16B_CH0".CmdInventory	Bool	FALSE	FALSE	
"DB_RfidU_Compact16B_CH0".CmdRead	Bool	FALSE	FALSE	
"DB_RfidU_Compact16B_CH0".CmdWrite	Bool	FALSE	FALSE	
"DB_RfidU_Compact16B_CH0".CmdTagInfo	Bool	FALSE	FALSE	
"DB_RfidU_Compact16B_CH0".CmdDirectExecute	Bool	FALSE	FALSE	
"DB_RfidU_Compact16B_CH0".DirectCMDC	Hex	16#0000	16#0000	
"DB_RfidU_Compact16B_CH0".CmdReset	Bool	FALSE	FALSE	

RFID-U interface - HF compact - IO mapping - Control and Status - Output

// RFID-U interface - Function block for IO mapping - Channel 0 - Status and Controlls					
"DB_RfidU_Compact16B_CH0".CMDC	Hex	16#0000			Command code (CMDC)
"DB_RfidU_Compact16B_CH0".TREx	Bool	FALSE			Transreceiver Error (Address error (Busmode))
"DB_RfidU_Compact16B_CH0".CMON	Bool	FALSE			Continuous Mode / 0 = not aktive / 1 = aktive
"DB_RfidU_Compact16B_CH0".RCNT	DEC	0			Loop counter for rapid processing (RCNT)
"DB_RfidU_Compact16B_CH0".DOM	DEC	0			Memory area (DOM) - only available with UHF applications
"DB_RfidU_Compact16B_CH0".ADDR	DEC	0	0		Start address (ADDR)
"DB_RfidU_Compact16B_CH0".LEN	DEC	0	8		Length (LEN) Input
"DB_RfidU_Compact16B_CH0".SOUID	DEC	0			Length UID/EPC (SOUID)

RFID-U interface - HF compact - IO mapping - Control and Status - Input

// RFID-U interface - Function block for IO mapping - Channel 0 - Feedback					
"DB_RfidU_Compact16B_CH0".RESC	Hex	16#0000			Response code (RESC)
"DB_RfidU_Compact16B_CH0".BUSY	Bool	FALSE			Busy
"DB_RfidU_Compact16B_CH0".TP1	Bool	TRUE			TAG present
"DB_RfidU_Compact16B_CH0".TNCx	Bool	FALSE			Transreciver conected / 0 = conected / 1 = disconected
"DB_RfidU_Compact16B_CH0".TONx	Bool	TRUE			Transreciver on / 1 = ON / 0 = OFF
"DB_RfidU_Compact16B_CH0".RCNT_F	DEC	0			Loop counter for rapid processing (RCNT)
"DB_RfidU_Compact16B_CH0".LEN_F	DEC	8	0		Length (LEN) Output
"DB_RfidU_Compact16B_CH0".ERROR	Bool	FALSE			Error
"DB_RfidU_Compact16B_CH0".ERRC	Hex	16#0000			Error code (ERRC)
"DB_RfidU_Compact16B_CH0".ErrorMessage	String	'No RFID error'			
"DB_RfidU_Compact16B_CH0".TCNT	DEC	1			TAG counter (TCNT)

RFID-U interface - HF compact - IO mapping – Write data (128B)

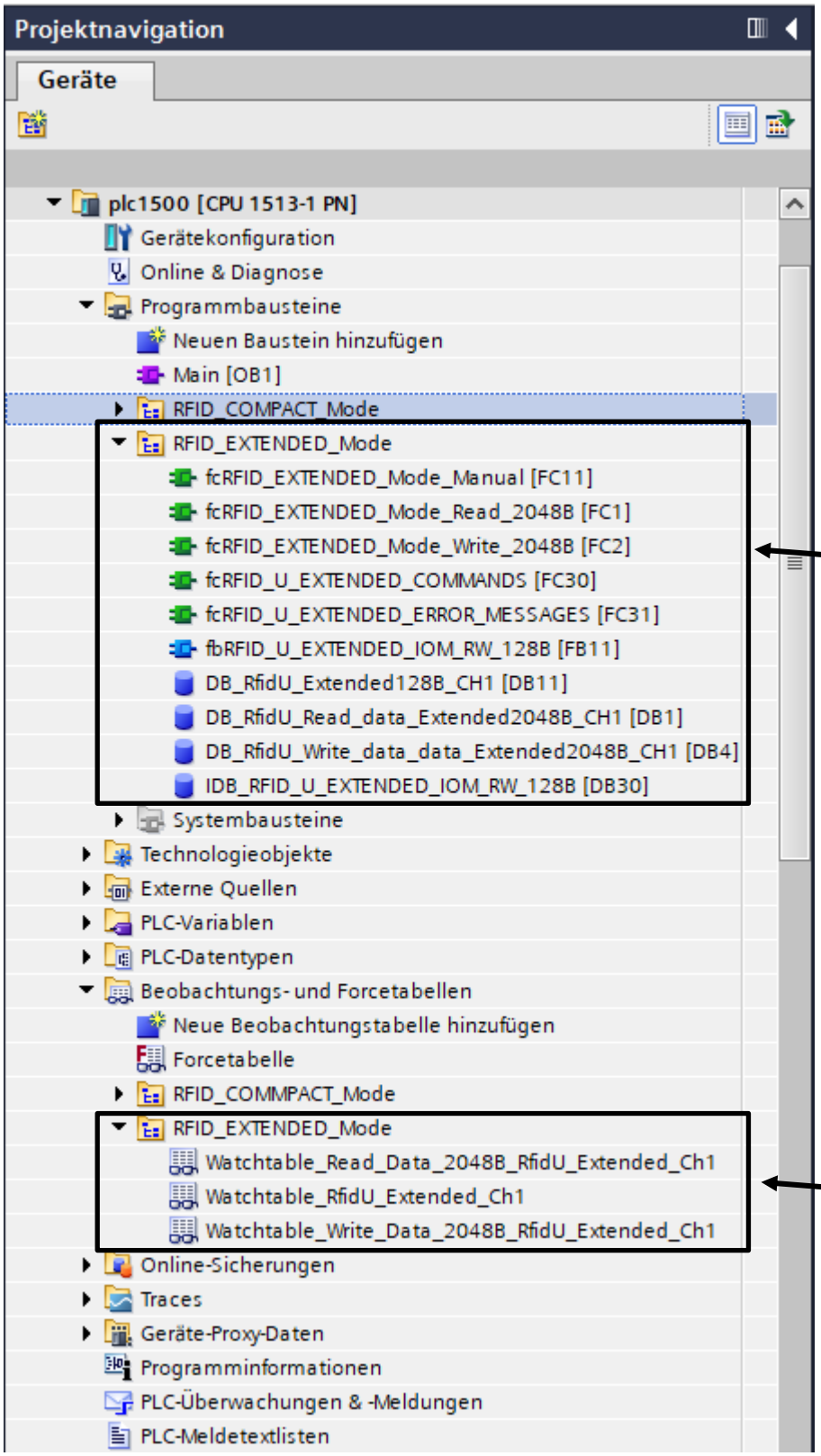
// RFID-U interface - Function block for IO mapping - Channel 0 - Write data (TX data)					
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[0]	DEC	0	44		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[1]	DEC	0	44		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[2]	DEC	0	44		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[3]	DEC	0	44		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[4]	DEC	0	44		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[5]	DEC	0	44		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[6]	DEC	0	44		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[7]	DEC	0	8		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[8]	DEC	0	9		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[9]	DEC	0	10		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[10]	DEC	0	11		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[11]	DEC	0	12		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[12]	DEC	0	13		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[13]	DEC	0	14		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[14]	DEC	0	1		Buffer for write data 16 byte
"DB_RfidU_Compact16B_CH0".WriteDataBuffer16B[15]	DEC	0	11		Buffer for write data 16 byte

RFID-U interface - HF compact - IO mapping – Read data (128B)

// RFID-U interface - Function block for IO mapping - Channel 0 - Read Data (RX data)					
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[0]	DEC	224			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[1]	DEC	4			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[2]	DEC	1			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[3]	DEC	0			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[4]	DEC	11			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[5]	DEC	174			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[6]	DEC	30			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[7]	DEC	137			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[8]	DEC	0			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[9]	DEC	0			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[10]	DEC	0			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[11]	DEC	0			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[12]	DEC	0			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[13]	DEC	0			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[14]	DEC	0			Buffer for read data 16 byte
"DB_RfidU_Compact16B_CH0".ReadDataBuffer16B[15]	DEC	0			Buffer for read data 16 byte

3.2.2. RFID extended mode

3.2.2.1 General overview

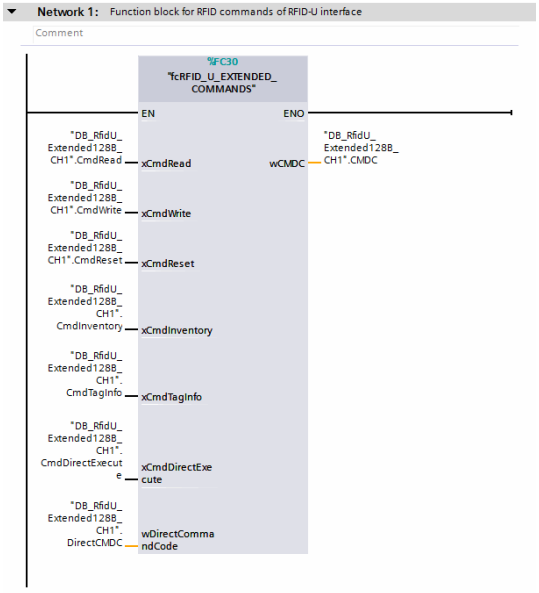


3.2.2.2 Short description of the blocks

3.2.2.2.1 fcRFID_EXTENDED_Mode_Manual (FC11)

The FC11 is the main machining module. The other modules are called from this block.

Network1: Call “fcRFID_U_EXTENDED_COMMANDS (FC30)”

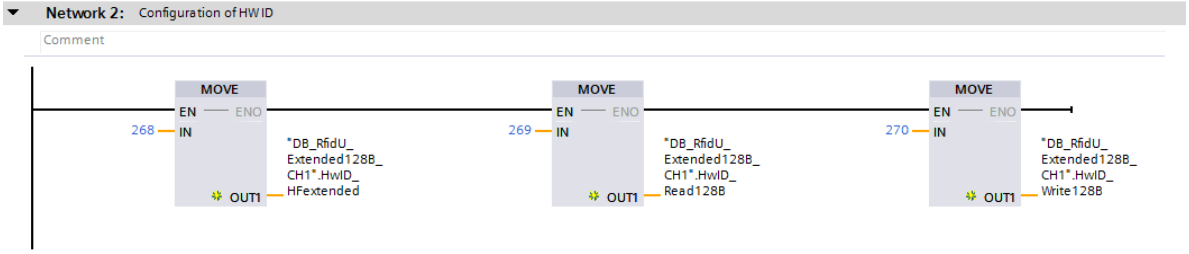


The FC 30 is the function block for the RFID commands. In this module the commands are handled.

Detail of the FC30

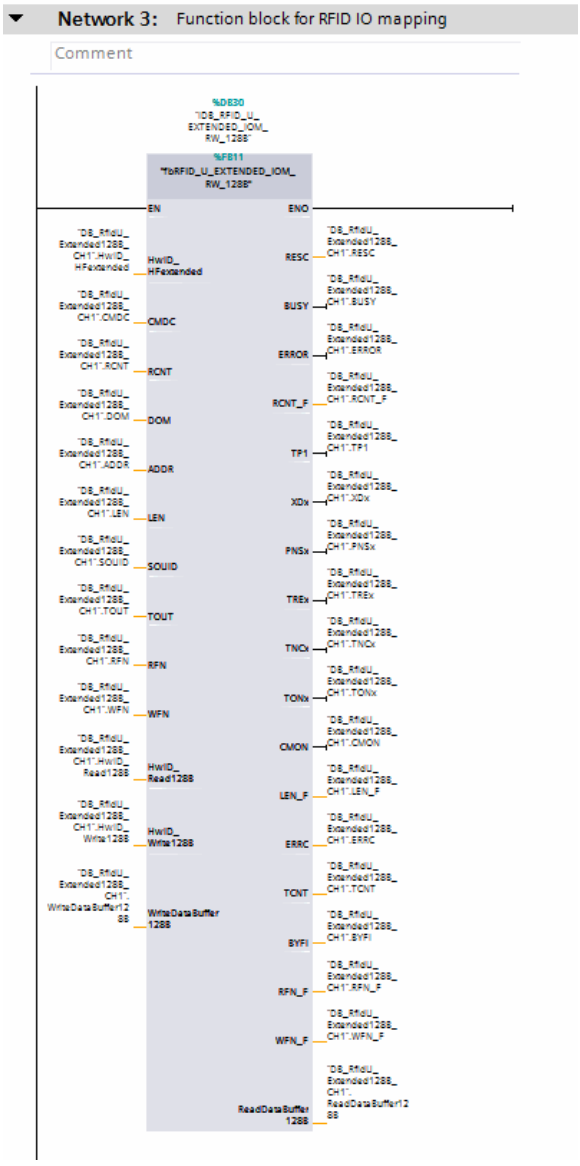
```
// Program:
IF #xCmdRead AND NOT #xCmdWrite AND NOT #xCmdInventory AND NOT #xCmdTagInfo AND NOT #xCmdReset AND NOT  #xCmdDirectExecute THEN
    #wCMDC := 16#0002;  //command read
ELSIF #xCmdWrite AND NOT #xCmdRead AND NOT #xCmdInventory AND NOT #xCmdTagInfo AND NOT #xCmdReset AND NOT  #xCmdDirectExecute THEN
    #wCMDC := 16#0004; //command write
ELSIF #xCmdInventory AND NOT #xCmdWrite AND NOT #xCmdRead AND NOT #xCmdTagInfo AND NOT #xCmdReset AND NOT  #xCmdDirectExecute THEN
    #wCMDC := 16#0001; //command inventory
ELSIF #xCmdTagInfo AND NOT #xCmdWrite AND NOT #xCmdInventory AND NOT #xCmdRead AND NOT #xCmdReset AND NOT  #xCmdDirectExecute THEN
    #wCMDC := 16#0050; //command taginfo
ELSIF #xCmdReset AND NOT #xCmdWrite AND NOT #xCmdInventory AND NOT #xCmdTagInfo AND NOT #xCmdRead AND NOT  #xCmdDirectExecute THEN
    #wCMDC := 16#8000; //command reset
ELSIF #xCmdDirectExecute AND NOT #xCmdWrite AND NOT #xCmdInventory AND NOT #xCmdTagInfo AND NOT #xCmdReset AND NOT  #xCmdRead THEN
    #wCMDC := #wDirectCommandCode; //command directcommandcode
END_IF;
```

Network2: Configuration of HW identifier

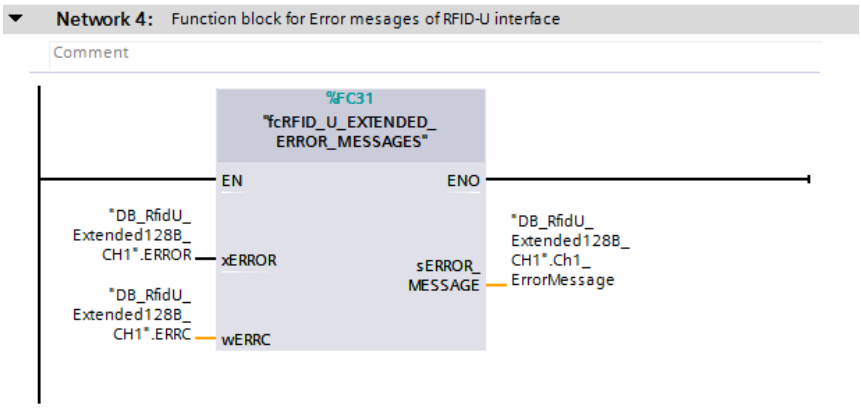


In this network the HW ID's are assigned to the block. The HW ID's are to be taken from the hardware configuration, see under point 3.1.4.

Network 3: Call “fbRFID_U_extended_IOM_RW_128B (FB11)”



In the block FB11 takes place the data exchange to the TBEN-S2-2RFID-4DXP module.Network 4: Call “fcRFID_U_EXTENDED_ERROR_MESSAGES (FC31)”



The FC31 converd the error code in to text message.

3.2.2.3 Overview of watchtable “RfidU_EXTENDED_Ch1”

Configuration the HW identifier

// RFID-U interface - Configuration with HWID - Channel 0

"DB_RfidU_Extended128B_CH1".HwID_HFextended	DEC	268			Hardware ID of compact module
"DB_RfidU_Extended128B_CH1".HwID_Read128B	DEC	269			Hardware ID of 128 byte read module (possible variants 8, 16, 32, 64, 128 byte)
"DB_RfidU_Extended128B_CH1".HwID_Write128B	DEC	270			Hardware ID of 128 byte write module (possible variants 8, 16, 32, 64, 128 byte)

Manual commands from the function block “fcRFID_U_COMPACT_COMMANDS (FC30)”

// RFID-U interface - Manual commands with function block

"DB_RfidU_Extended128B_CH1".CmdInventory	Bool	FALSE	FALSE		
"DB_RfidU_Extended128B_CH1".CmdRead	Bool	FALSE	FALSE		
"DB_RfidU_Extended128B_CH1".CmdWrite	Bool	FALSE	FALSE		
"DB_RfidU_Extended128B_CH1".CmdTagInfo	Bool	FALSE	FALSE		
"DB_RfidU_Extended128B_CH1".CmdDirectExecute	Bool	FALSE	FALSE		
"DB_RfidU_Extended128B_CH1".DirectCMDC	Hex	16#0000	16#0000		
"DB_RfidU_Extended128B_CH1".CmdReset	Bool	FALSE			

RFID-U interface - HF compact - IO mapping - Control and Status - Output

// RFID-U interface - Function block for IO mapping - Channel 0 - Status and Controlls

"DB_RfidU_Extended128B_CH1".CMDC	Hex	16#0000			Command code (CMDC)
"DB_RfidU_Extended128B_CH1".TREx	Bool	FALSE			Transreceiver Error (Address error (Busmode))
"DB_RfidU_Extended128B_CH1".CMON	Bool	FALSE			Continuous Mode / 0 = not aktive / 1 = aktive
"DB_RfidU_Extended128B_CH1".RCNT	DEC	0			Loop counter for rapid processing (RCNT)
"DB_RfidU_Extended128B_CH1".DOM	DEC	0			Memory area (DOM) - only available with UHF applications
"DB_RfidU_Extended128B_CH1".ADDR	DEC	0	0		Start address (ADDR)
"DB_RfidU_Extended128B_CH1".LEN	DEC	0	128		Length (LEN) Input
"DB_RfidU_Extended128B_CH1".SOUID	DEC	0			Length UID/EPC (SOUID)
"DB_RfidU_Extended128B_CH1".TOUT	DEC	0			Timeout (TOUT)
"DB_RfidU_Extended128B_CH1".RFN	DEC	0			Read fragment number (RFN)
"DB_RfidU_Extended128B_CH1".WFN	DEC	0			Write fragment number (WFN)

RFID-U interface - HF compact - IO mapping - Control and Status – Input

// RFID-U interface - Function block for IO mapping - Channel 0 - Feedback

"DB_RfidU_Extended128B_CH1".RESC	Hex	16#0000			Response code (RESC)
"DB_RfidU_Extended128B_CH1".BUSY	Bool	FALSE			Busy
"DB_RfidU_Extended128B_CH1".TP1	Bool	TRUE			TAG present
"DB_RfidU_Extended128B_CH1".TNCx	Bool	FALSE			Transreciver conected / 0 = conected / 1 = disconected
"DB_RfidU_Extended128B_CH1".TONx	Bool	TRUE			Transreciver on / 1 = ON / 0 = OFF
"DB_RfidU_Extended128B_CH1".RCNT_F	DEC	0			Loop counter for rapid processing (RCNT)
"DB_RfidU_Extended128B_CH1".LEN_F	DEC	8			Length (LEN) Output
"DB_RfidU_Extended128B_CH1".ERROR	Bool	FALSE			Error
"DB_RfidU_Extended128B_CH1".ERRC	Hex	16#0000			Error code (ERRC)
"DB_RfidU_Extended128B_CH1".Ch1_ErrorMessage	String	'No RFID error'			
"DB_RfidU_Extended128B_CH1".TCNT	DEC	1			TAG counter (TCNT)
"DB_RfidU_Extended128B_CH1".BYFI	DEC	0			Data available (BYFI)
"DB_RfidU_Extended128B_CH1".RFN_F	DEC	128			Read fragment number (RFN)
"DB_RfidU_Extended128B_CH1".WFN_F	DEC	128			Write fragment number (WFN)

RFID-U interface - HF compact - IO mapping – Write data (128B)

// RFID-U interface - Function block for IO mapping - Channel 0 - Write data (TX data)

"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[0]	DEC	0	100		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[1]	DEC	0	101		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[2]	DEC	0	102		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[3]	DEC	0	100		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[4]	DEC	0	101		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[5]	DEC	0	102		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[6]	DEC	0	100		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[7]	DEC	0	101		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[8]	DEC	0	102		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[9]	DEC	0	100		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[10]	DEC	0	101		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[11]	DEC	0	102		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[12]	DEC	0	100		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[13]	DEC	0	101		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[14]	DEC	0	102		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[15]	DEC	0	100		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[16]	DEC	0	101		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[17]	DEC	0	102		Buffer for write data 128 byte
"DB_RfidU_Extended128B_CH1".WriteDataBuffer128B[18]	DEC	0	100		Buffer for write data 128 byte

RFID-U interface - HF compact - IO mapping – Read data (128B)

// RFID-U interface - Function block for IO mapping - Channel 0 - Read Data (RX data)

"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[0]	DEC	224			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[1]	DEC	8			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[2]	DEC	1			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[3]	DEC	72			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[4]	DEC	96			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[5]	DEC	228			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[6]	DEC	83			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[7]	DEC	189			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[8]	DEC	0			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[9]	DEC	0			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[10]	DEC	0			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[11]	DEC	0			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[12]	DEC	0			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[13]	DEC	0			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[14]	DEC	0			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[15]	DEC	0			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[16]	DEC	0			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[17]	DEC	0			Buffer for read data 128 byte
"DB_RfidU_Extended128B_CH1".ReadDataBuffer128B[18]	DEC	0			Buffer for read data 128 byte

3.3 Operation Manual

See http://pdb2.turck.de/repo/media/_en/Anlagen/d500064.pdf

3.4 Error description

See http://pdb2.turck.de/repo/media/_en/Anlagen/d500064.pdf