

How to use smartLink HW-DP with PDM

- 1. Configuration of smartLink HW-DP
- 2. Installation of PROFIBUS-Driver
- 3. Configuration in the Siemens Software (e.g. SIMATIC PDM stand alone)

1) Configuration of smartLink HW-DP

- 1. Log on to the web server of smartLink HW-DP
- 2. Navigate to PROFIBUS and open "Segment DP1"

PROFIBUS	HART IP	OPC UA	MQTT	Restart Device	Logout administrator	}	Auto logout in 9 min
				Segment Configuration			
C. OHOLIIdaat Mumbar	0+0400	DP	+	[Se	gment DF	P1 🗘

3. Adjust the PROFIBUS-Parameters as needed, click "OK" and click "Apply Configuration".

	Project Settings		Effective	Settings	
Baudrate	1.5 MBaud	~	1.5 MBau	bl	
Tsl [t/bit]	300	✓	300		
Min Tsdr [t/bit]	11	_ ✓	11		
Max Tsdr [t/bit]	150	_ ✓	150		
Ttr [t/bit]	20000	_ ✓	20000		
Highest Station Address	126	_ ✓	126		
Tset [t/bit]	1	✓	1		
Max Retry Limit	3	∨ √	3		
Station Address	0	_ ✓	0		
Please note: The busparameter	ers only get effective with the	action "Ap	oply Configura	tion".	
				OK	Canaal



2) Installation of PROFIBUS-Driver

- 1. Download and install the latest PROFIBUS-Driver "Universal PROFIBUS Driver V5.47.4" (or higher version) from the Softing web site.
- 2. Start the Driver Configurator from the start menu



3. Add a new Node under "smartLink HW-DP"



Follow the instructions on the screen and finally press "Apply".
 A green check mark will show up beside the new Node.

The Interface Number will later show up in the Siemens Software.



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3) Configuration in the Siemens Software (e.g. SIMATIC PDM stand alone)

- 1. Download and install the PDM libraries from softing web site:
 - PDM libraries for integration into Siemens PDM
- 2. In the interface dialog of PDM you must choose "Softing PROFIBUS Interface.PROFIBUS.1"
- 3. In the Properties you can choose the Board number (Refer to Interface number in the ROFIBUS Control Pannel here "0")
- 4. Do not try to adjust the Bus parameter in this dialog, as the Bus parameters from the smartLink HW-DP web interface will apply.

2 😰 🦻 😵 let PG/PC Interface		×
Access Path LLDP / DCP PNIO Adapter Info Access Point of the Application: S7ONLINE (STEP 7) -> Softing PROFIBUS Inte (Standard for STEP 7)	aface.PROFIBUS_	Properties - Softing PROFIBUS Interface.PROFIBUS.1 ? Bus parameter Local connection Options Board number:
Interace Parameter Assignment Used: Softing PROFIBUS Interface.PROFIBUS.1 Ing PROFIBUS Interface.PROFIBUS.1 Ing PROFIBUS Interface.PROFIBUS.1 Adapter v (User parameter assignment (converted))	Properties Copy Delete	

Note:

Within PDM you must use a PROFIBUS-Network even thought smartLink HW-DP is connected via Ethernet