

FieldConnex® PROFINET/PROFIBUS-PA Gateway

CFC Driver Library
for Siemens PCS 7



This CFC driver library enables simple connection of the FieldConnex PROFINET Power Hub to the control system PCS 7 via PROFINET. This function for the gateway module HD2-GTR-4PA.PN automatically maps process, status and diagnostic data of all PROFIBUS PA instruments into PCS 7.

Engineering is transparent utilizing standard function blocks from the Advanced Process Library (APL) while at the same time implementing the popular behavior of PROFIBUS PA diagnostic data in PCS 7. This custom library supports driver wizard functionality and properly maps diagnostic data into SIMATIC WinCC. The documentation included is in English language.

The PCS 7 driver blocks ensure consistency of engineering and thus eliminate manual configuration, saving valuable time and engineering resources. License cost is fixed per plant reducing financial risk. The library is supported by Siemens via the multi-vendor device integration program, which includes driver maintenance and support including hotline with a five-year support contract.

Supported Functions and Features

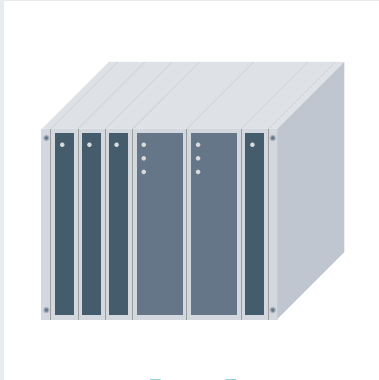
- Implementation of HD2-GTR-4PA.PN gateway in a non-redundant S7-400 CPU or redundant S7-400-H CPU system
- Driver wizard functionality
- Engineering with standard APL function blocks, e. g. FbAnIn, FbAnOu, FbDiOu ...
- SIMATIC WinCC diagnostic integration for gateway and PROFIBUS PA devices
- English documentation

User Benefits

- Simple and consistent engineering
- Integration of process data, configuration and diagnostics of any PA instrument in PROFINET
- Same application behavior for PA devices mapped via PROFINET
- Simple configuration and diagnostic of the gateway itself
- Tested and approved by Siemens development team
- Hotline and support from professional support team

Your automation, our passion.

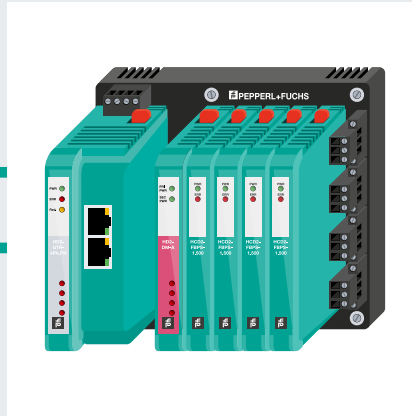
PCS7 S7-400-H System



CFC Blocks

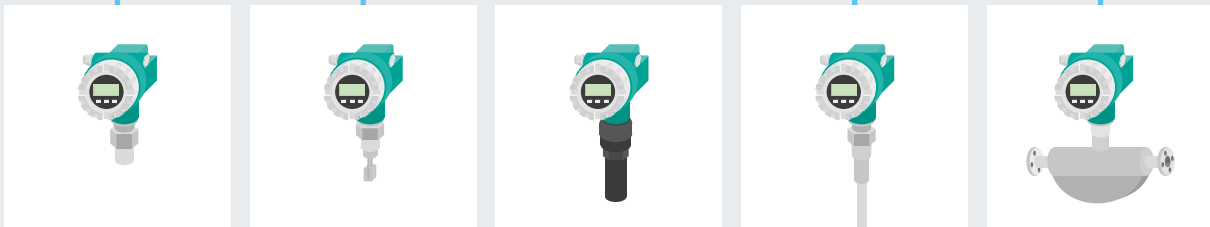
Profibus_PA_Se_1	
FFFNPA0	OB1
PF PN/PA	6/3
16#3FE5	LADDR QSUBMST
16#3FE5	DADDR QMODF
16#3FE9	RACK_DAD QPERAF
16#0	MOD_TYPE QRACKF
16#1	RACK_NO O_MS
16#1	SLOT_NO
0	SUBN_TYP
16#64	SUBN1_ID
16#65	SUBN2_ID
1	DIAG_STR
	CFU_DIAG
	RAC_DIAG
	MOD_DIAG
0	RCC_MODE

PROFINET Power Hub with HD2-GTR-4PA.PN



PROFINET

PROFIBUS-PA



Order Information

For ordering, please connect with the Siemens hotline:

- FieldConnex® PROFINET to PROFIBUS PA Driver Library
- www.siemens.com/mvdi
- function.blocks.industry@siemens.com

For product information for the FieldConnex PROFINET Power Hub go to www.pepperl-fuchs.com/sk3 or contact your Pepperl+Fuchs specialist or representative.