

Product: Notes regarding use of IOswap-GSD
Author: Burkhard Heiser
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Description

If today's Profibus-Asi-Gateway is to be used as a spare part in (very) old systems, please note the following.

The first series of gateways "VAG PB .." and "VBG-PB-KF" (also "VBG-PB-K5") with "V2.04 EASY mode" use a different arrangement for the digital data than today's standard.

So that the exchange for a current Profibus Asi gateway receives a compatible device of the digital data, there is the IOswap-GSD. With this special GSD that is firmware version 20041122 is available, you get the digital data in the old format.

How to use

- Import the IOswap-GSD of your gateway to the configuration-software
- The AS-i Profibus Gateway is displayed as "VBG-PB-Kxx xx-xxxx IOSwap" in the hardware catalogue.
- All identifiers (modules) used for "Digital In", "Digital Out", and "Digital I/O" will use the order of process data as described below.

Documentation of process data

Any process data is now available in compatible mode, as in the V2.04 masters. So within low nibble will hold data of Asi-slaves with even address. As an add-on HI flags are transmitted instead of slave 0.

Byte	2 ⁷	2 ⁶	2 ⁵	2 ⁴	2 ³	2 ²	2 ¹	2 ⁰
0	Slave 1/1A				Flags			
	D3	D2	D1	D0	F3	F2	F1	F0
1	Slave 3/3A				Slave 2/2A			
2	Slave 5/5A				Slave 4/4A			
3	Slave 7/7A				Slave 6/6A			
4	Slave 9/9A				Slave 8/8A			
5	Slave 11/11A				Slave 10/10A			
6	Slave 13/13A				Slave 12/12A			
7	Slave 15/15A				Slave 14/14A			
8	Slave 17/17A				Slave 16/16A			
9	Slave 19/19A				Slave 18/18A			
10	Slave 21/21A				Slave 20/20A			
11	Slave 23/23A				Slave 22/22A			
12	Slave 25/25A				Slave 24/24A			
13	Slave 27/27A				Slave 26/26A			
14	Slave 29/29A				Slave 28/28A			
15	Slave 31/31A				Slave 30/30A			



16	Slave 1B	reserved
17	Slave 3B	Slave 2B
18	Slave 5B	Slave 4B
19	Slave 7B	Slave 6B
20	Slave 9B	Slave 8B
21	Slave 11B	Slave 10B
22	Slave 13B	Slave 12B
23	Slave 15B	Slave 14B
24	Slave 17B	Slave 16B
25	Slave 19B	Slave 18B
26	Slave 21B	Slave 20B
27	Slave 23B	Slave 22B
28	Slave 25B	Slave 24B
29	Slave 27B	Slave 26B
30	Slave 29B	Slave 28B
31	Slave 31B	Slave 30B

Use all the information modules as usual.