



Driver Fact Sheet: PROFIBUS FMS and DP

Driver Name: PROFIBUS Kombi Softing

Driver Code: PBK

Device Mfr: PROFIBUS Devices acc. to PROFIBUS

Driver Vendor: MKL Ingenieurgesellschaft mbH, Softing AG

Last Update: 20/11/02 10:00 AM

Version:

<i>Platform</i>	<i>Version</i>	<i>Type</i>	<i>Media</i>	<i>Available</i>
Windows NT	7.21	RES	CD	YES
Windows 2000	7.21	RES	CD	YES
Windows XP	7.21	RES	CD	YES

Devices Supported:

- PROFIBUS Devices according to PROFIBUS Standard

Interfaces:

- Softing PROFIboard PB-IF-03 (ISA)
- Softing PROFIboard (PCI)
- Softing PROFIcard (PCMCIA)
- Softing PROFI104 (PC 104)

FIX Blocks Supported:

- ANALOG
- DIGITAL
- REGISTER

Data Types:

- | <i>Data Type</i> | <i>Comments</i> |
|--------------------------|-----------------|
| • Unsigned (16 Bit) | |
| • Signed (16 Bit) | |
| • Float (32 Bit) | |
| • Long Signed (32 Bit) | |
| • Long Unsigned (32 Bit) | |

Comments

More Data Types on Request

Supported Protocols:

- | <i>Type</i> | <i>Baud Rate</i> (configurable) |
|---|---------------------------------|
| • PROFIBUS-FMS Read/Write, Inforeport with Write (event driven) | 9,6 KBaud to 12 MBaud |

Baud Rate (configurable)
9,6 KBaud to 12 MBaud

- PROFIBUS-DP Master Class 1 and Master Class 2

9,6 KBaud to 12MBaud

The PBK driver allows simultaneous DP and FMS communication.

Signal Conditioning:

<i>Signal ID</i>	<i>Description</i>	<i>Data Area</i>
• 12AL	12 Bit Binary Scaled to EGUs - Alarming on out of range - Ignores most significant nibble (4 Bits)	0 to 4.095
• 12BN	12 Bit Binary Scaled to EGUs- No Alarming on out of range - Ignores most significant nibble (4 Bits)	0 to 4.095
• 15AL	15 Bit Binary Scaled to EGUs - Alarming on out of range - Ignores most significant Bit	0 to 32.767
• 15BN	15 Bit Binary Scaled to EGUs - No Alarming on out of range - Ignores most significant Bit	0 to 32.767
• 3BCD	3 Digit Binary Coded Decimal Scaled to EGUs	0 to 999
• 4BCD	4 Digit Binary Coded Decimal Scaled to EGUs	0 to 9.999
• LIN	16 Bit scaled to EGUs - Unsigned Data Type - No Alarming on out of range	0 to 65.535
• LIN	16 Bit scaled to EGUs - Signed Data Type - No Alarming on out of range	-32.768 to 32.767
• NONE	Returns raw value - No Scaling - No Alarming	
• TIME	Siemens S5 and S7 time format: 3 digit Binary Coded Decimal with Time Base-Unsig. Data Type	

Comments:

Required Software: Intellution FIX32 or iFIX

Newest driver generation

Possibility of event driven communication on the PROFIBUS reduces bus-load

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Pricing: Euro 1.270,- including driver and Softing PROFiBoard PB-IF-03 (ISA)

Pricing: Euro 1.310,- including driver and Softing PROFiBoard PB-IF-1MS (PCI)

Pricing: Euro 1.610,- including driver and Softing PROFiCard PB-PCcard2 (PCMCIA)

Pricing: Euro 1.270,- including driver and Softing PROFi104 PB-PC104-MS