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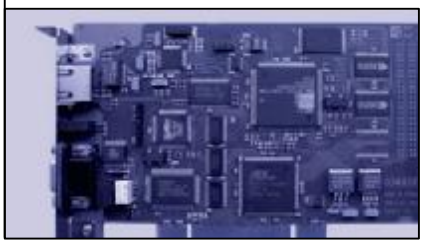
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DF PROFI II PCI/CPCI/PC104+

High performance PROFIBUS DP/DPV1 interface

Description

The DF PROFI II is a high performing PROFIBUS DP/DPV1 board of the newest generation and is available as PCI, Compact-PCI and PC104+ board. The DF PROFI II PCI interface supports 5V and 3.3V 32 Bit PCI slots, so it can be used in server PCs and workstations without problems. Beside the standard DP/DPV1 PROFIBUS services the board implements useful additional options.
The implemented hardware watchdog allows the electrical switch off of the PROFIBUS interface, that allows the board to be used in redundant DP-Master concepts with two PC systems.
Apart from the I/O data and status information, the process image contains a relative time stamp with a resolution of a millisecond. With common I/O data sizes up to 3 Kbytes the DF PROFI II board needs only round about 1 ms for the data exchange of the process image. It stores the PROFIBUS configuration data in a failsafe flash memory.

For the compilation of the PROFIBUS configuration a very powerful and comfortable tool is available. The DF PROFI II board supports beside the popular operating systems Windows 2000/XP and Linux (SUSE, Redhat, Fedora) real-time operating systems like LabVIEW RT.

COMSOFT PROFIBUS Configuration Tool CONFIGURATOR II
CONFIGURATOR II is a powerful PROFIBUS configuration tool. It does not charge the user with difficult PROFIBUS details and supports a full graphical GSD file based DP Slave configuration as well as the comfortable compilation of OPC Tags.

Powerful and extensive download, analysis and control functions permit an efficient start and check up of the configured PROFIBUS DP network. The compiled PROFIBUS configuration is stored in XML format that allows an easy integration into third party tools.

COMSOFT Redundant OPC-Server
The DF PROFI II Data Access OPC-Server is implemented as free threading/multi threading server for optimum perfor-mance and supports DPV0 Master class 1 and DPV1 Master class 2 services. For the use with safety critical applications the DF PROFI II OPC-Server supports DPV0 Master class 1-redundancy with 2 pc systems. This feature guarantees a seamless takeover and an uninterrupted continuous processing of the connected DP Slaves by the standby system if the operational system fails. The DF PROFI II hardware design allows here the simultaneous connection of 2 DF PROFI II boards with identical bus addresses to the PROFIBUS network without problems.

COMSOFT
FDT 1.2 Communication DTM
The available FDT 1.2 Communication DTM allows the use of the DF PROFI II board within any FDT 1.2 capable container programs for DP Slave configuration. FDT container programs are included in many process control systems. They are also available as stand-alone solutions, e.g. Pactware of the Pactware Association.



DF PROFI II PCI

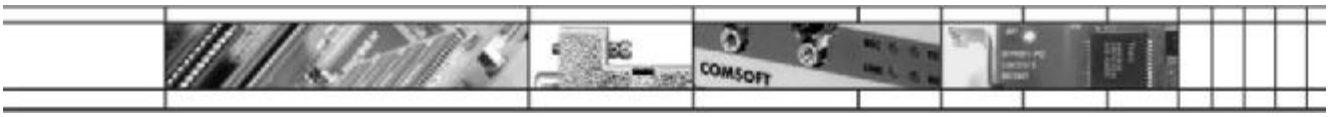


DF PROFI II CPCI



DF PROFI II PC104+

Tel: +49-(0)721/9497-290 Fax: +49-(0)721/9497-129 E-mail: infoicp@comsoft.de



Technical Data

Available Types	PCI (3.3V and 5V), CompactPCI, PC104+	
Interfaces	Ethernet	10/100BaseT (optional)
	PROFIBUS	RS485 (DB9)
Baud rates	Ethernet	max. 100 Mbit/s
	PROFIBUS RS485	max. 12 Mbit/s
Supported PROFIBUS Versions	DP/DPV1	Master class 1/2, DP Slave
Hardware	Host CPU	NET+ARM 40 (33 MHz)
	PROFIBUS Chip	ASPC 2 (48 MHz)
	Ram	Static 2 Mbyte; Flash Memory 1 Mbyte
	PCI Interface	PLX – compatible (for 5V and 3.3V PCI slots)
Layer 2 Services	live list	
DP Services	DPV0 class 1 Master-Slave and DP Slave	
DP/DPV1 Services	DPV1 class 2 Master-Slave MSAC2_initiate, MSAC2_read, MSAC2_write, MSAC2_data_transport, MSAC2_abort	
Data Size of Process Image	Max. 8 Kbytes	
Supported Operating Systems	Windows 2000/XP, Linux, LabVIEW PROFIBUS VISA Driver for Windows 2000/XP and LabVIEW RT	
Add-on Software	Redundant OPC-Server, FDT 1.2 Communication DTM	

Order Numbers

Order No.	Item
4000-7- 4 -3-*	DF PROFI II PCI with
3	DP/DPV1 protocol driver
D	LINUX driver
M	Windows 2000/XP driver
L	LabVIEW PROFIBUS VISA Driver for Windows 2000/XP and LabVIEW RT
4000-7- 5 -3-*	DF PROFI II CPCI with
3	DP/DPV1 protocol driver
D	LINUX driver
M	Windows 2000/XP driver
L	LabVIEW PROFIBUS VISA Driver for Windows 2000/XP and LabVIEW RT
4000-7- 6 -3-*	DF PROFI II PC104+ with
3	DP/DPV1 protocol driver
D	LINUX driver
M	Windows 2000/XP driver
L	LabVIEW PROFIBUS VISA Driver for Windows 2000/XP and LabVIEW RT
4000-S-L M -3-*	Additional Packages
11	PROFIBUS DP/DPV1 OPC-Server Redundant for Windows NT/2000/XP, Configurator and Client
3	PROFIBUS DP/DPV1 OPC-Server for Windows 2000/XP
8	FDT 1.2 Communication DTM
12	FDT 1.2 Communication DTM, 30 day demo version
13	LabVIEW PROFIBUS VISA Driver multilicense for DF PROFI II PCI
16	LabVIEW PROFIBUS VISA Driver multilicense for DF PROFI II CPCI
17	LabVIEW PROFIBUS VISA Driver multilicense for DF PROFI II PC104+

* Please complete the order number either with E for a documentation in English or D for a documentation in German.

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