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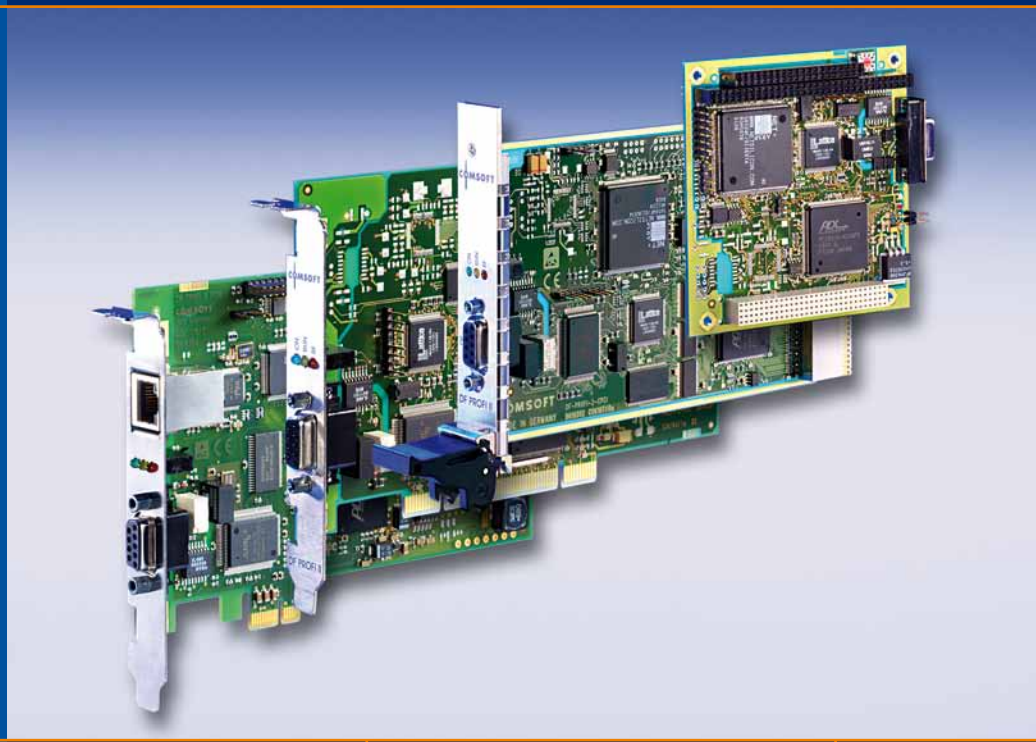
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COMSOFT



DF PROFI II

PROFIBUS DP/DPV1 Board

DF PROFI II – Intelligent, Fast & Easy PROFIBUS Connection

Today, more than ever, quickness and flexibility are in great demand in the different areas of application of the automation industry. The DF PROFI II, a high performance PROFIBUS DP/DPV1 board from COMSOFT, exceeds these requirements. As PCI, PCI-Express, CompactPCI and PC104+ card, the DF PROFI II is suitable for a wide variety of uses. Due to the fact that both 5 V and 3.3 V are supported, the board is compliant to fast server PCs as well as workstations.

DF PROFI II operates as DP Master or DP Slave. Additionally to the standard PROFIBUS DP/DPV1 services the board provides a watchdog function with physical PROFIBUS line disconnection for Master class 1 redundancy concepts. If the operational PC system fails, a seamless switch over to a redundant standby system is possible.

The process data image additionally provides a millisecond based relative time stamp value. The PROFIBUS configuration data is stored in a failsafe Flash Type Memory.

COMSOFT's CONFIGURATOR II is available for compilation and download of the PROFIBUS configuration. The comfortable and full graphical tool minimises the configuration effort. Extensive download, analysis and control functions permit an efficient check up of the configured PROFIBUS DP network. The compiled configuration is stored in XML format. This allows an easy integration into third party applications.

Drivers for all current operating systems are available for the DF PROFI II board. Additional packages, such as OPC Server, LabVIEW PROFIBUS VISA Driver or FDT-1.2 COM DTM significantly extend the board's field of application.

Redundant OPC Server
The Data Access OPC Server based on the free threading-/multi-threading concept for an optimum performance supports DPV0 Master class 1 and DPV1 Master class 2 services. The OPC Server supports a DPV0 Master class 1 redundancy concept with two identical PC systems for the use with safety critical applications.

LabVIEW™ PROFIBUS VISA Driver
The LabVIEW PROFIBUS VISA Driver equips National Instruments' LabVIEW with a real-time PROFIBUS DP connection. The installation in a classical PC system under LabVIEW for Windows is just as possible as in a real-time PXI system under LabVIEW RT, e.g. as a high performance PAC system for time-critical test applications or industrial automation applications.

FDT 1.2 Communication DTM
The available FDT 1.2 Communication DTM allows the use of the DF PROFI II within any FDT 1.2 compatible container application. As a PROFIBUS DP Master class 2, the board can configure any DP Slave.

Technical Data

Available Types	PCI, PCI-Express, CompactPCI and PC104+
Supported PROFIBUS Protocol Versions	PROFIBUS DP/DPV1
Operation Mode	DPV0 Master class 1, DPV1 Master class 2 and DPV0 Slave
Interfaces	PROFIBUS RS485 (DB9)
Baud Rates	PROFIBUS RS485: max. 12 Mbit/s

Manufacturer:
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