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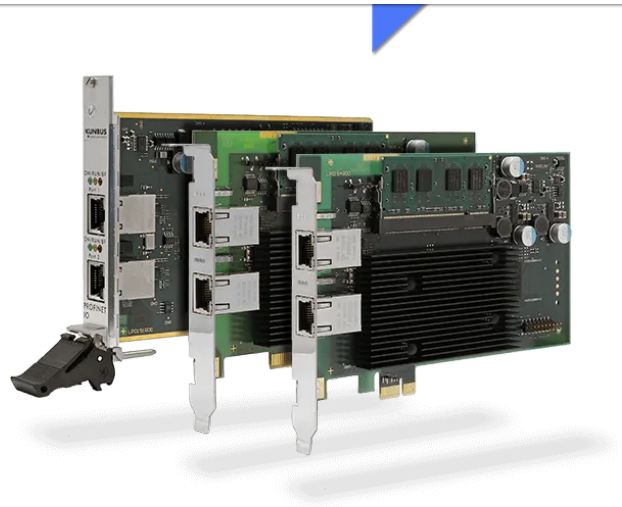
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PROFINET interface card

High performance, flexible and practical

former



Legacy product. No longer available.

controller and/or as PROFINET IO device. Because its efficiency is so huge the interface card achieves as PN IO controller operations of 64 PROFINET devices per millisecond in the Conformance Class B. A second independent Ethernet interface allows the module to be used simultaneously as a PROFINET IO device. A stand-alone operation, such as PN IO device is also possible. In PN IO controller mode, among the cyclic data traffic, all acyclic read/write/diagnosis and alarm functions are supported and of course compatible to the PN IO standard of PROFIBUS & PROFINET International. The size of the process image of the card's I/O data is 16 Kbyte (8 Kbyte input and 8 Kbyte output data). The PROFINET configuration data is stored in a failsafe flash type memory.

The controller board also supports PROFINET supervisor functionality, making it possible to scan the network as well as to control the names and IP addresses of various PROFINET devices. The CONFIGURATOR III is available for compilation and download of the PROFINET configuration. The comfortable and fully graphical tool minimises the configuration effort, while extensive download, analysis and control functions permit an efficient checkup of the configured PROFINET IO network.

In PN IO device mode the min. cycle time is 1 millisecond with a max. IO data size of 1440 bytes. The board does not need to be configured but instead receives the IO configuration directly from the PN IO controller, which significantly simplifies putting it into service. A special feature supported by the board is the PN IO shared device mode, which allows multiple PN IO controllers (up to 20) to access allocated IO buffers within the device simultaneously. This allows a very flexible integration also into large and complex PN IO networks. The operation modes PN IO controller and PN IO device can be run simultaneously.

Drivers for all current operating systems are also available. A LabVIEW™ PROFINET VISA driver is optionally available. The LabVIEW™ PROFINET VISA driver equips National Instruments' LabVIEW™ with a real-time PROFINET IO connection. The installation in a classical PC system under LabVIEW™ for Windows is just as likely as in a real-time PXI system under LabVIEW™ RT, for example as a high performance PAC system for time-critical test applications or industrial automation applications.

HIGHLIGHTS

- 8 Kbyte Input and 8 Kbyte output data
- Failsafe Flash Type Memory
- Supports PROFINET supervisor functionality
- Comfortable and full graphical configuration tool (CONFIGURATOR III)
- Drivers for all current operating systems available
- optional: LabVIEW PROFINET VISA Driver

ARTICLE	ARTICLE NO.
DF PROFINET IO PCIe with Windows 10 driver	100261
DF PROFINET IO PCIe with Linux driver	100262
DF PROFINET IO PCIe with LabVIEW™ PROFINET VISA driver for Windows 10 and LabVIEW™ RT	100263
DF PROFINET IO PCI with Windows 10 driver	100187
DF PROFINET IO PCI	100188

ARTICLE ARTICLE NO.

SPECIFICATIONS	
Available Types	CPCI, PCI, PCIe
Operation Mode	PN IO Controller, PN IO Device
PROFINET IO Conformance Class	Class B (≥ 1ms)
Ethernet Interface	RJ45 100BaseTX

with LabVIEW™ PROFINET VISA driver for Windows 10 and LabVIEW™ RT	100189
DF PROFINET IO CPCI with Windows 10 driver	100190
DF PROFINET IO CPCI with Linux driver	100191
DF PROFINET IO CPCI with LabVIEW™ PROFINET VISA driver for Windows 10 and LabVIEW™ RT	100192

DOWNLOADS

DF PROFINET IO Flyer

DF PROFINET IO Windows – Getting Started

DF PROFINET IO PCIe – Installation Instructions

DF PROFINET IO PCI – Installation Instructions

DF PROFINET IO CPCI – Installation Instructions

DF PROFINET IO GSDML file

LabVIEW™ PROFINET VISA Driver Flyer

LabVIEW™ PROFINET VISA Driver Windows - Getting Started

LabVIEW™-RT PROFINET VISA Driver - Getting Started

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