DF PROFINET IO CPCI

Installation Instructions

V1.3/23.06.2017

Revision History

Version	Date	Description	Resp.
V1.3	23.06.2017	Device added	JKU
V1.2	05.04.2017	KUNBUS Branding	JKU
V1.1	01.04.2015	Review	SKR/AME
V1.0	13.11.2013	First Release	SF

Version	Product Manager	Project Manager Software
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1 Safety Instructions

WARNING: Disregarding this warning may result in damage to equipment and/or serious personal injury. Only qualified personnel may start up and operate this device. According to the safety instructions in this text, qualified personnel are persons who are authorized to start up, to ground, and to mark devices, systems, and equipment according to the standards of safety technology.
In addition, these persons must be familiar with all warning instructions and maintenance measures in this text.

WARNING: The DF PROFINET IO PCI board is designed exclusively for PELV operation according to EN 60950/EN 60204/VDE 0805-1.

Shielding
The shielding ground of the connected twisted pair cables is electrically connected to the female connector. When connecting network segments,
avoid ground loops, potential transfers, and voltage equalization currents via the braided shield.

NOTE: Electrostatic discharge!
The device contains components that can be damaged or destroyed by electrostatic discharge. When handling the device, observe the necessary safety precautions against electrostatic discharge (ESD), in accordance with
EN 61340-5-1 and EN 61340-5-2, as well as
IEC 61340-5-1 and IEC 61340-5-2.

2 Installation of the Board

The DF PROFINET IO CPCI is a Plug&Play-compatible board. The configuration entirely takes place by means of the delivered software or the BIOS of your PC respectively. Thus, no jumpers or DIP-switch adjustments are necessary.

To mount the board, please proceed as follows:

Please see also the operating instructions of your PC.

- Switch off the Compact PCI System and interrupt the power supply
- Select a free CPCI slot.
- Plug the DF board into the determined slot
- Screw down the board.

***Note*:** **When mounting, please follow the safety instructions for electronic modules against electrostatic charge.**

The DF PROFINET IO CPCI does not support Hot Plugging. If installing/uninstalling the board the Compact PCI system must be switched off and the power supply must be interrupted.

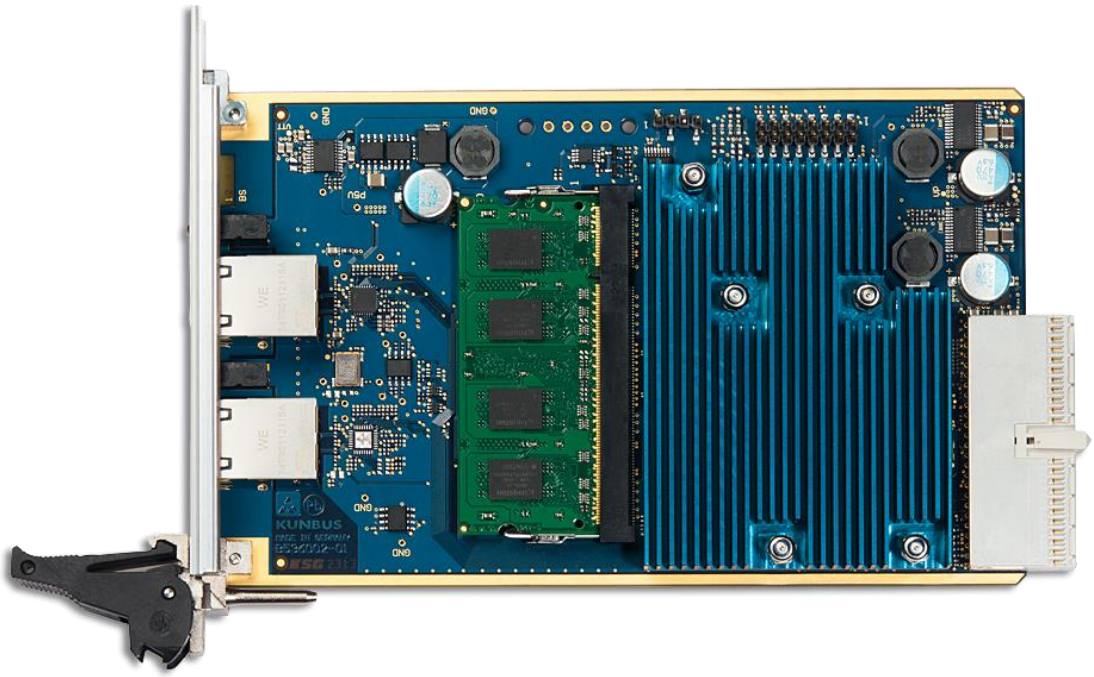

Figure 1: DF PROFINET IO CPCI - Board

3 Description of the LED's

Green LED:

On: Firmware loaded and started

Off: Firmware not loaded

Yellow LED:

On: PROFINET IO started

Off: PROFINET IO stopped

Red LED:

Operation as PROFINET IO Controller on Ethernet Interface 1

On: PROFINET IO-Failure (min. one device not connected to the PROFINET IO network or with external diagnosis)

Off: No PROFINET IO-Failure

Operation as PROFINET IO Device on Ethernet Interface 2

On: PROFINET IO-Failure (No active PROFINET IO controller connected)

Off: No PROFINET IO-Failure

4 Technical Data

Functionality	PN IO Controller, PN IO Device, also simulteanously
PN IO Specification	V 2.3
PN IO Performance Class	Class B (<= 1 ms)
Processor	1.3 GHz Freescale PowerQUICC III
Memory	1 GB DDR II 32 MB Flash Memory
C-PCI Interface	PCI Rev. 2.2, 32 Bit
Ethernet Interface 1 (Controller)	RJ45 100 Base-T(X)
Ethernet Interface 2 (Device)	RJ45 100 Base-T(X)
Data Size of Process Image	16 KB
Power Consumption	Typical 7W
Ambient Temperature Range	0°C – 55°C
Dimensions	213 mm x 129 mm x 20mm

Table 1: Technical Data

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