

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*



DF PROFINET IO

PROFINET IO Controller/Device Board

KUNBUS
industrial communication

DF PROFINET IO

HIGH PERFORMANCE, FLEXIBLE AND PRACTICAL

PROFINET is the Industrial Ethernet Standard of PI (PROFIBUS & PROFINET International) that has developed into the market-leading standard over the last few years. Excellent plant-wide networking, fast data communication and long-term availability are just a few of the many benefits.

DF PROFINET IO, the newest in the company's line of PC cards, is a high performance PN IO Controller/Device board in PCI, CompactPCI and PCI-Express format. With this new improvement it is now possible, for the first time, to operate even large networks without any performance restrictions.

The DF PROFINET IO board operates as PN IO Controller and/or as PN IO Device. Its performance as PN IO Controller is enormous. Up to 64 PROFINET devices can be processed in one millisecond in Performance Class RT. A second independent Ethernet interface allows the board to be used simultaneously as a PROFINET IO device. A stand-alone operation 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 umbrella organization. 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. KUNBUS' CONFIGURATOR III is available for compilation and download of the PROFINET configuration. The comfortable and fully graphical tool reduces the configuration effort to a minimum, while extensive download, analysis and control functions permit an efficient checkup of the configured PROFINET IO network. In PN IO Device mode the the board supports cycle times of at least 1 millisecond with a maximum IO data size of 1440 bytes.

As PN IO-Device the board does not need to be configured but automatically takes over the IO configuration from the PN IO Controller, which significantly simplifies the commissioning very much. 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 at the same time. This allows a very flexible integration also in 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 (WINDOWS and LINUX) are available and an OPC UA server is planned for a later release date. A LabVIEW™ PROFINET VISA driver is already available.

LabVIEW™ PROFINET VISA DRIVER

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 possible 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.

TECHNICAL DATA

Available Types	PCI, CPCI, PCIe
Operation Mode	PN IO Controller, PN IO Device
PROFINET IO Performance Class	Class B (≥ 1 ms)
Ethernet Interface	2 x RJ45 100 Base-T(X)

Manufacturer:
KUNBUS GmbH | Heerweg 15C | 73770 Denkendorf | Germany | Tel: +49-711/300 20 678 | Fax: +49-711/300 20 677 | info@kunbus.com | www.kunbus.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP