High-Precision Data Acquisition System for labs, test stand or longtime monitoring

Key Capabilities
- 10 – 240 MHz sample rate per channel
- Streaming on harddisk
- 100 mV to 100 V input range
- Autonomous operation
- 14 & 16 Bit resolution
- LXI compatible / IVI driver
- DC precision < 0.1%
- Up to 1024 channels
The Ethernet device TraNET FE turns your computer into a powerful data acquisition system.
- Up to 32 channels in one housing
- 10–240 MS/s sample rate at 14 or 16 Bit
- 4 different instrument sizes available
- GBit LAN connection
- Autonomous operation
- Ruggedized metal case

The TraNET EPC and PPC devices are based on powerful industrial computers and provide the maximum data throughput to disk of up to 640 MB/s.
- EPC: up to 64 channels per device, 19 inch size
- PPC: up to 24 channels, Portable
- Windows 7

Up to 16 TraNET devices can be synchronized to each other which allows systems with up to 1024 channels.
The Ethernet device TraNET FE turns your computer into a powerful data acquisition system. Up to 32 channels in one housing, 10 – 240 MS/s sample rate at 14 or 16 Bit resolution, 4 different instrument sizes available, GBit LAN connection, Autonomous operation, Ruggedized metal case.

The base of the TraNET devices is built up by the TPCX (PCI) and TPCE (PCIe) data acquisition cards. The cards can be installed in a standard consumer PC by the user as well. They are available with single ended or differential inputs and with 4 or 8 inputs per card.

- 10 – 240 MS/s sample rate at 14 or 16 Bit resolution
- Up to 128 MS memory per channel
- Diverse trigger-modes (Slope, Windows, Pulse, Slew Rate)
- 10 different input ranges, 100 mV to 100 V
- 0.03 % typical DC precision
- Anti-Aliasing Filter (optional)
- PCI or PCIe x4 interface
- ICP source for pressure sensors
- Windows 7, 32 & 64 Bit, Linux

**Application**

- Test stands
- Laboratory
- OEM

**TPCX and TPCE Cards**

In TransAS the measurement is configured, controlled and analyzed. The connection to the devices is going over Ethernet which allows controlling and monitoring the measurement even over Internet.

- Scope, Multiblock, Streaming and ECR Mode
- Scalar Measurement readouts
- Formula editor for advanced calculations
- Data storing in different formats (HDF5, ASCII, etc.)
- Measurement control automation
- FFT Analysis
- COM/ActiveX Control

**TransAS Application Software**
Currently no requirement for our products but you are interested in our products?
Then register to our newsletter.

Or under www.elsys-instruments.com

Additional Services

We are your professional partner in the following sectors

- Development and production of test stands
- Electronic development from schematics to mass production
- Software development for test and measurement

About Us

We are a young and dynamic team with longtime experience in test and measurement. Customized solutions are our strength: You receive the turn-key solution from one source.
Our products are developed and produced in Switzerland. They comply with the highest quality requirements.

Our international clients appreciate to receive support in real-time directly from our developers.

Contact

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