



System specifications

- 32 analog channels
- sampling of the channels time-multiplexed (1 card at a time)
- synchronization of the ADC phases of both cards via PXI-Chassis(PXI-version)
- streaming on all channels at highest sampling frequency
- sampling frequency per channel:
 - 48 kHz
 - 24 kHz
 - 12 kHz
- amplification:
1, 2, 5, 10, 20, 50, 100,
- recording time
 - min. 0.25 seconds (at 48 kHz)
 - max. 60 seconds (at 48 kHz)
- trigger:
 - digital-trigger: BNC to Adapterbox, TTL
 - adjustable pre-trigger
- filter:
 - DC-offset-compensation to be turned on or off
 - highpass 100 Hz in Adapterbox

Hardware specifications

Notebook

- 1 ExpressCard-Slot
- recommended: Intel 4-core-CPU or comparable
- min. 2GByte RAM
- OS Windows XP

Hardware list

1. Measurement cards

amount: 2
manufacturer: National Instruments
article: NI PXI-6250
article n^o: 779116-01

2. PXI-Chassis

amount: 1
manufacturer: National Instruments
article: NI PXI-1033 Chassis
article n^o: 779759-01

3. ExpressCard

amount: 1
manufacturer: National Instruments
article: MXI-Express/ExpressCard MXI Cable, 7M
article n^o: 779500-07

4. Adapterbox

amount: 1
manufacturer: gfai tech
article: adapLC11

5. Connection cable

Adapterbox <-> Measurement cards

amount: 2
article: connection cable VHDCI male 68-pole <-> SCSI Type III male 68-pole; length: ~ 1m via gfai tech