



## 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 RTSI-cable (PCI-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

### Standard Desktop PC

- 2 adjacent PCI-slots
- min. Intel Core2Duo or comparable; recommended: Intel 4-core-CPU or comparable
- min. 2 GByte RAM
- OS Windows XP

### Hardware list

#### 1. Measurement cards

amount: 2  
manufacturer: National Instruments  
article: NI PCI-6250  
article n<sup>o</sup>: 779069-01

#### 2. Synchronization cable

amount: 1  
manufacturer: National Instruments  
article: RTSI-Buskabel  
article n<sup>o</sup>: 776249-02

#### 3. Adapterbox

amount: 1  
manufacturer: gfai tech  
article: adapLC11

#### 4. 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