

# Klippel Analyzer 3

## Key Features

# Design

- Modular, 2HU 19" design for customized applications
- 16 audio channels each direction with up to 192kHz sample-rate
- Unified platform for RnD and QC
- General Purpose in/outputs for simple interfacing



[Product website](#)

# Available Cards

## XLR- Card

- Dual In&Out XLR channels for high performance measurements

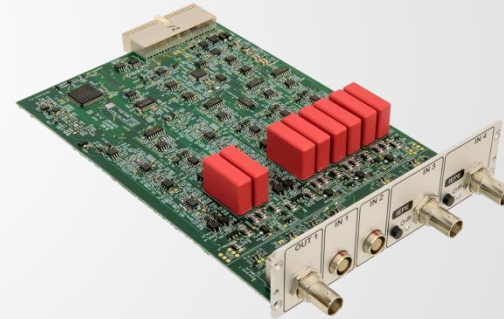


## Amp-Card

- Stereo class-D power-amplifier

## Laser-Card

- Dual Mic + dual Laser channel + monitoring output

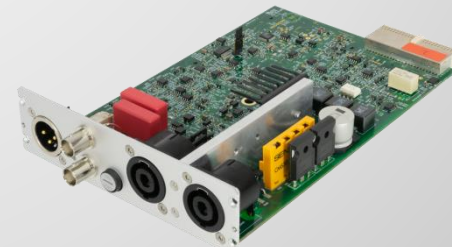


## Speaker-Card

- Dual Speaker V/I measurement + CTR hardware

## QC-Card (Release in January 2019)

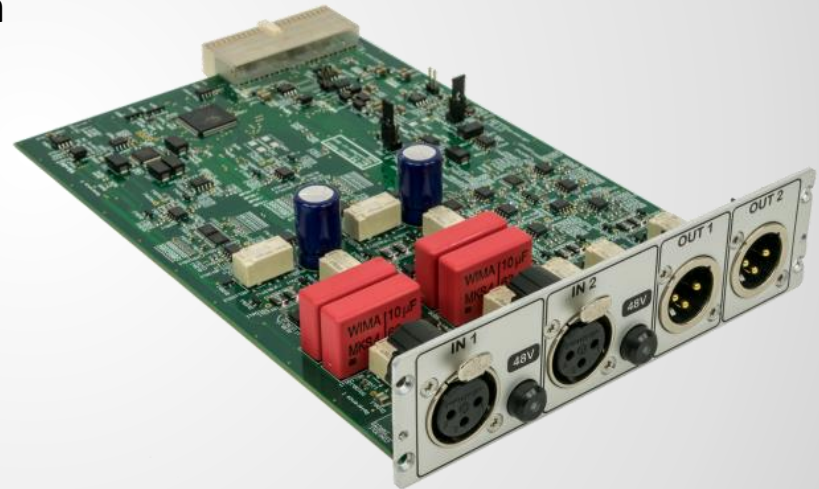
- Dual BNC input + V/I measurement + integrated amplifier + single balanced XLR output



# XLR-Card

Balanced I/O-Card for Line/Mic aquisition and signal driving

- Balanced inputs support longer cables at higher noise immunity (high CMRR)
- Superb noise and distortion characteristics
- SNR can be optimized with multiple gain-stages
- Software and user controlled phantom power

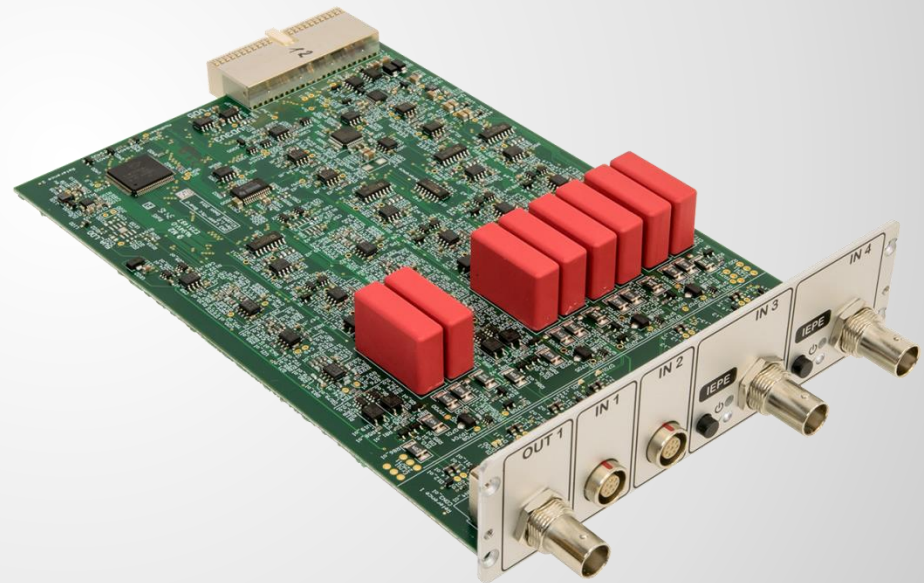


[Specification on website](#)

# Laser-Card

Unbalanced I/O-Card for displacement- and microphone-sensors

- Operating two laser heads at the same time
- Simplified laser setup without external power supply
- IEPE sensor detection
- switchable IEPE mic supply
- Software and user controlled microphone IEPE supply (7mA)
- Supports Klippel B-Field sensor

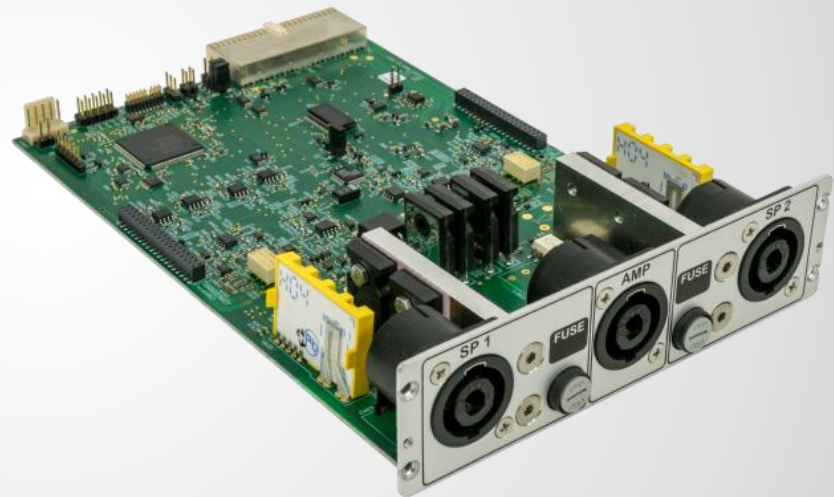


[Specification on website](#)

# Speaker-Card

Voltage-/Current-measurement and processing card

- Two independent speaker channels
- $500V_{pp}/160A_{pp}$  measurement range
- Selectable current sensitivity on both channels
  - hall-sensor
  - shunt-resistor
- Enables Klippel LSI and CTR applications with integrated signal processing
- Long lifetime due to solid-state speaker relay



[Specification on website](#)

# Amplifier-Card

## Medium Power stereo Amplifier

- 105dB SNR, Low-Offset, stereo amplifier
- DC-coupling and software-controlled DC-output
- 2 Ohm load operation
- 45W output power
- dB-Lab integrated health monitoring
- Signal indication

[Specification on website](#)



# QC-Card

Comprehensive solution for cost-efficient transducer and system analyzing, dedicated to End-Of-Line Tests

- 105dB SNR, low-offset, dc-coupled, 45W mono amplifier
- Dual BNC input
  - Controllable IEPE supply
  - Optionally dc-coupled
  - Analog gain-stages for SNR optimization
- XLR balanced line output
- V/I measurement with SW-selectable current sensitivity
- Wear-free electronic relays



Specification on request,

QC Card available from January 2019



# Key Features

- Unified platform for QC and RnD applications
- Easy extension due to modular design
- Full compatibility to any PA2 and DA hardware
- Integrated health monitoring and safety functions to increase robustness
- Easy service and maintenance procedure
- Robust hardware (in&out protection, higher temperature range)
- Supports 48/96/192kHz sample rate
- Improved sensitivity
- 24V resistant general purpose I/O connector for simple interfacing
- 16 upstream and 16 downstream audio channels for future applications
- External Power Supply (100-240Vac)

[Product website](#)