MPR

Multipurpose High-Speed Recording & Analysis Software for PCI/PXI

Analog Input
- Multichannel configuration
- 12 or 16 bit resolution
- Selectable sampling rate up to 10 MS/s
- Board synchronization through RTSI bus or PXI trigger lines
- Streaming-to-disk rate up to 10 MB/s

Triggering
- SW-Trigger (± level, in range, out of range)
- Manual trigger
- Pre-trigger
- Adjustable glitch suppression

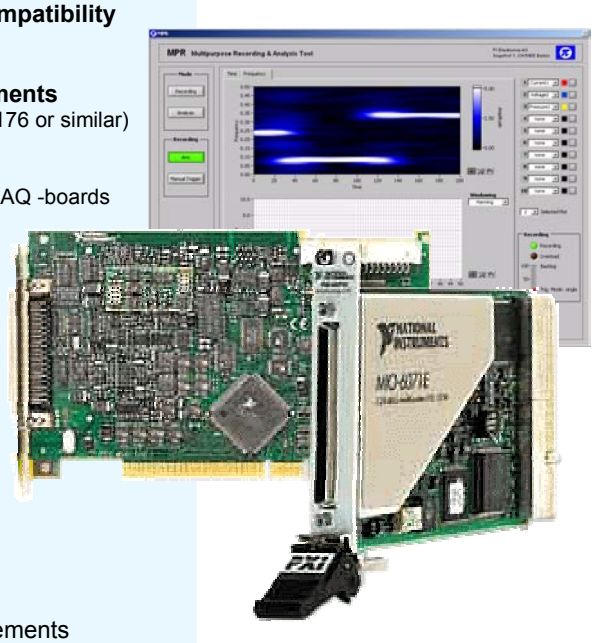
Data Analysis
- Min/Max-calculations
- Online FFT
- Harmonic analysis
- Visualization
- Data export

Alerting (Option)
- Auto E-mail notification

Operating System Compatibility
- Windows XP/2000/NT

Min. System Requirements
- Pentium III, 1GHz (NI 8176 or similar)
- 128 MB RAM
- 10 GB HDD
- Free PCI/PXI slots for DAQ -boards

Supported NI Boards
- NI 611x
- NI 6070/71E
- NI 6052E
- NI 6040E
- NI 603xE
- NI 6023/24/25E



Applications
- Hi-speed recording of transients and short signal measurements
- Long-period supervision tasks

Overview

The MPR is a multipurpose recording & analysis software tool for National Instruments data acquisition boards. It‘s applicable in combination with PXI or PCI systems.

Manifold NI boards are supported by the MPR software. Through RTSI bus or bus trigger lines on PXI systems it‘s possible to combine and synchronize these boards to a flexible and expandable data acquisition system.

The software allows the recording of short transient signals such as glitches and peaks as well as the monitoring of long-term signals for surveillance tasks.

Due to the software selectable sampling rate it‘s possible to adapt the system to a multitude of applications.

Flexible trigger functions are implemented to optimize the arming of the recorder. It‘s even able to record certain data before the trigger event occurs by continuously acquiring and buffering data in arm mode. This prevents loss of important pre-event data in case of bad trigger conditions.

Special functions such as E-mail notification by trigger allow auto-messaging for remote applications.

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