Übersicht der eXpert Echtzeit FPGA Optionen

eXpert Echtzeit FPGA Optionen für Gage PCI Express und PXI Express Digitizer

Echtzeit Datenstreaming



Allows for data streaming mode of acquired data directly through the PCIe interface to the host PC RAM and on to targeted host based CPU or dedicated processing cards for analysis and/or to high-speed storage systems for real-time signal recordings.

Unterstützte PCIe Digitizer:

Cobra Express

CobraMax

EON Express

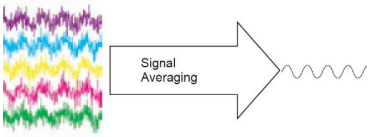
Octave

Oscar

RazorExpress

RazorMax

Echtzeit Mittelwertbildung



Allows for detection of very small repetitive signals in a noisy environment. Using rapid signal averaging, small signals can be extracted from a background of high amplitude noise, which may even be larger than the actual signal itself.

Unterstützte PCIe Digitizer:

Cobra Express

CobraMax

EON Express

Octave

Oscar

RazorExpress

RazorMax

Ultraschall NDT Positions Encoder



Allows for direct position encoder reading capability for fastest possible scan rates with Pulse On Position Mode and Position Stamping Mode for use with modern ultrasonic non-destructive testing (NDT) inspection systems.

Unterstützte PCIe Digitizer:

Cobra Express

PCIe Datenstreaming

PCIe Signal-Mittelwertbildung

PCIe Ultraschall NDT Positions Encoder

OCT (Optical-Coherence-Tomography-OCT)

FFT (Fast Fourier Transformation)



Supports variable rate k-clocking or inactive external clock by simultaneously digitizing the interferometer signal with the returned optical signal for use with OCT applications.



Allows 512, 1024, or 2048 point FFT calculation analysis directly on the digitizer and transfer of multiple Fourier Spectra to the host PC in a single PCIe transfer.

Unterstützte PCIe Digitizer:

EON Express

RazorMax

Unterstützte PCIe Digitizer:

EON Express

Octave

RazorMax

PCIe Optical-Coherence-Tomography

PCIe Fast Fourier Transformation

Für das Betrachten der Download-Dateien benötigen Sie i. R. den Adobe-Acrobat-Reader.
Sie können diesen hier herunterladen.

Für offene Fragen stehen wir jederzeit gerne zur Verfügung.

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