16 Bit PXIe Gen-3 Digitizer with 4 channels 500 MS/s and 4GS memory

Order-No.: RMX-X65-G40 Series/Model: RazorMax / CSX 165G4



_ Bitte klicken zum Vergrößern

Main Product Features

- **16-Bit Vertical A/D Resolution with 4 Digitizing Input Channels**
- **500 MS/s Maximum Sampling Rate per Channel**
- **24 Software Selectable Sampling Rates from 1 kS/s to 500 MS/s**
- **Optional ADC Modes: Decimate-by-2 Filter, Decimate-by-4 Filter with Digital Mixer, Decimate-by-4 Filter with IQ Outputs**
- **350 MHz Bandwidth**
- **4 GS (8 GB) Onboard Sample Memory Standard**
- **FPGA Based Applications for Real-Time DSP Functions**
- **Dual Port Memory with Sustained PXIe Gen3 Data Streaming at 4+ GB/s**
- **Full-Featured Front-End with DC Coupling (AC Optional) and 50 Ω Inputs**
- **Software Control of Input Voltage Ranges**
- **Ease of Integration with External or Reference Clock In & Clock Out**
- **External Trigger In & Trigger Out**
- **3U PXIe Generation 3.0 x8 Single-Slot Card**
- **Programming-Free Operation with GaGeScope PC Oscilloscope Software**
- **Software Development Kits Available for C/C#, LabVIEW and MATLAB**
- **Windows 10/8/7 and Linux Operating Systems Supported Unterstützung.**

The new extremely fast and high-resolution Gage digitizers of the series RazorMax Express CompuScope offer with a 3U Single slot PXI Express card a resolution of 16 bit and a sampling rate of 1 GS/s (per channel).

Sampling rates: The 2 or 4 channel 16 bit RazorMax PXI Express (Gen-3) PC oscilloscope cards are

available in 2 versions:
The PCI Express x8 Gen-3 Series CSE161Gx oscilloscope cards has a sampling rate of 1 GS / s per channel
The PCI Express x8 Gen-3 Series CSE1650x Series oscilloscope has a sampling rate of 500 MS / s per channel.

Applications:

- Automatic Test Equipment
- Military & Commercial Testing – ATE
- Wideband RF Signal Analysis RADAR Design and Test
- Real-Time Spectrum Operations
- Electronic Warfare
- Ultrasonic Non-Destructive Testing
- LIDAR Systems
- Communications
- Optical Coherence Tomography
- Spectroscopy
- High-Performance Imaging
- Time of Flight (TOF)
- Life Sciences
- Particle Physics

Manufacturer page

http://www.gage-applied.com/

Data Sheet Download German

2 oder 4 Kanal HighSpeed 16 Bit PXIe Digitizer mit 500 MS/s oder 1 GS/s pro Kanal (1.1 MiB)

Data Sheet Download English

2 or 4 Channelsl HighSpeed 16 Bit PXIe Digitizer with 500 MS/s or 1 GS/s per Channel (1.6 MiB)

Opening the Download-Files May require the Adobe-Acrobat-Reader.
Click here to download the Adobe-Acrobat-Reader.

If you have questions please don't hesitate to contact us any time.

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