

16 Bit PXIe Gen-3 Digitizer with 4 channels 1 GS/s and 4GS memory

Order-No.: RMX-X61-G40 Series/Model: RazorMax / CSX 161G4



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Main Product Features

- 16-Bit Vertical A/D Resolution with 4 Digitizing Input Channels
- 1 GS/s Maximum Sampling Rate per Channel
- 31 Software Selectable Sampling Rates from 1 kS/s to 1 GS/s
- Optional ADC Modes: Decimate-by-2 Filter, Decimate-by-4 Filter with Digital Mixer, Decimate-by-4 Filter with IQ Outputs
- 700 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 PCI 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 \(1.6 MiB\)](#)



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[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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