

16 Bit PCIe Gen-2 Digitizer / Oszilloscope 4 Channel 200 MS/s b. 8 GS Memory

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2 Channel 16-Bit PCIe (x8 Gen-2) Digitizer / Oszilloscope with 200 MS/s Sampling Rate per Channel

Main Product Features

- 16 bits vertical resolution
- 4 digitizing channels (2 channels also available)
- 200 MS/s maximum sampling per channel
- 16 bits vertical resolution
- 4 GS or 8 GS on-board acquisition memory
- 65 or 125 MHz bandwidth
- Ultralow distortion (THD)
- Full-size, single-slot PCI Express or PCI card
- Full-featured front-end, with software control over input ranges, coupling and impedances
- Dual-port memory and Data Streaming at up to 3.1 GB/s on PCI Express models
- Ease of integration with External or Reference Clock In and Clock Out, External Trigger In and Trigger Out
- Programming-free operation with GageScope® oscilloscope software
- Software Development Kits available for LabVIEW, MATLAB, C/C# and Linux
- Custom FPGA firmware available

The GaGe Razor™ family of multi-channel digitizers features up to 4 channels in a single-slot PCI Express or PCI card with up to 200 MS/s sampling per channel, and up to 8 GS of on-board acquisition memory.

Combine several Razor cards for up to 32 channels in a single system.

For Realtime Applications eXpert Options:

-  eXpert Data Streaming (Stream-to-Analysis)
-  eXpert FIR Filtering Firmware Option

Possible transfer speeds in the PCIe slots:

PCI Express (PCIe) x8 (8 Lane) Gen-2 (Version 2.0): 3.1 GB/s
PCI Express (PCIe) x8 (8 Lane) Gen-1 (Version 1.0): 1.5 GB/s
PCI Express (PCIe) x4 (4 Lane) Gen-1 (Version 1.0): 1 GB/s
PCI Express (PCIe) x1 (1 Lane) Gen-1 (Version 1.0) 245 MS/s

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Applications

- Radar Design and Test
- Disk Drive Testing
- Manufacturing Test
- Signal Intelligence
- Lidar Systems
- Communications
- Non-Destructive Testing
- Spectroscopy
- High-Performance Imaging
- Ultrasound Test

Manufacturer page

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

Data Sheet Download



[PCI Express Gen-2 RazorExpress board 2-and 4 Channels 16 Bit 200 MS/s \(660.0 KiB\)](#)



Opening the Download-Files May require the Adobe-Acrobat-Reader.

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