

14 Bit PCIe Gen-2 Digitizer 2 Channels 200 MS/s up to 8 GS Memory

Order-No.: RAZ-004-300 Series/Model: Razor-14 / CompuScope 1442



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4 Channel 14-Bit PCIe (x8 Gen-2) Digitizer / Oszilloscope with 200 MS/s Sampling Rate per Channel

Main Product Features

- **14 bits vertical resolution**
- **4 digitizing channels (4 channels also available)**
- **200 MS/s maximum sampling per channel**
- **14 bits vertical resolution**
- **4 GS or 8 GS on-board acquisition memory**
- **125 MHz bandwidth**
- **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 14 Bit 200 MS/s \(660.0 KiB\)](#)



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