

16-Bit PCIe Gen-2 Digitizer 4 Channels 100 MS/s up to 16GS Memory

Order-No.: OSC-444-007 Series/Model: Oscar-16 Express / CompuScope 4447



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4 Channels 14 Bit Digitizer / Oscilloscope for PCI Bus with 100 MS/s Sampling rate

Main Product Features

- **4 digitizing channels**
- **100 MS/s maximum sampling per channel**
- **14 bits vertical resolution**
- **2 GS to 16 GS on-board acquisition memory**
- **65 MHz bandwidth**
- **Full-size, single-slot PCI Express card**
- **Full-featured front-end, with software control over input ranges, coupling and impedances**
- **8-Lane PCI Express**
- **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 Oscar TM family of multi-channel digitizers features up to 4 channels in a single-slot PCI Express or PCI card with up to 100 MS/s sampling per channel, and up to 16 GS of on-board acquisition memory.

Combine several Oscar 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 MB/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



[PCIe Gen-2 100 MS/s 16 Bit 2-oder 4 Kanal Digitizerkarten \(661.1 KiB\)](#)



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

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