14-Bit Digitizer for PCIe Gen-2, 4 Channels 100 MS/s up to 8 GS Memory

Order-No.: OVE-834-007 Series/Model: Octave-14 Express / CompuScope 8347



_ Bitte klicken zum Vergrößern

2 Channel 14-Bit PCIe (x8 Gen-2) Digitizer / Oszilloscope with 100 MS/s Samplingrate per Channel

Main Product Features

- **4 Digitizing Input Channels**
- **100 MS/s Maximum Sampling Rate per Channel**
- **14-bit Vertical A/D Resolution**
- **2 GS (4 GB) to 8 GS (16 GB) Onboard Acquisition Sample Memory**
- **100 MHz Input Bandwidth**
- **Full-Featured Front-End with AC/DC Coupling and 50Ω or 1MΩ Inputs**
- **Software Control over Input Ranges, Coupling & Impedances**
- **Ease of Integration with External or Reference Clock In & Clock Out**
- **External Trigger In & Trigger Out**
- **Full-Size Single-Slot 8-Lane (x8) PCIe 2.0 Board**
- **Sustained PCIe Data Streaming at 1 GB/s**

The GaGe Octave Express 83XX CompuScope PCIe digitizer card features 14-bit resolution with sampling rates up to 125 MS/s with true Effective Number of Bits (ENOB) of 11.1-bits with 10 MHz input.

Onboard digitizer sample memory is expandable up to 8 GS (16 GB) and up to 8 Octave Express digitizers can be combined for up to 32 channels in a single system.

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

eXpert Realtime On-Board Options:

- eXpertTM Daten Streaming Stream-to-Analysis
- eXpert DDC (Digital Down Conversion
- eXpertTM MittelwertbildungeXpertTM
- eXpert FFT (Fast Fourier Transform)
- eXpert OCT (Optical Coherence Tomography)

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

4-Channel 14 Bit Digitizer 4 x 100 MS/s für for Express Gen-2 (731.6 KiB)

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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