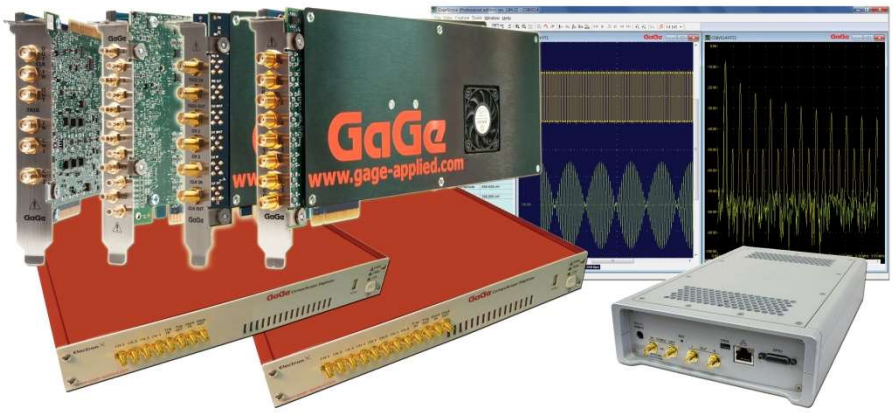
GaGe is a worldwide industry leader in high speed data acquisition solutions featuring a portfolio of the highest performance digitizers, PC oscilloscope software, powerful SDKs for custom application development, and turnkey integrated PC-based measurement systems.

GaGe Product Overview

World Leader in High-Speed Digitizers



APPLICATIONS

Wideband Signal Analysis

RADAR Design and Test

Signals Intelligence (SIGINT)

Ultrasonic Non-Destructive Testing

LIDAR Systems

Communications

Optical Coherence Tomography

Spectroscopy

High-Performance Imaging

Time of Flight

Life Sciences

Particle Physics

FEATURES

- Windows 10/8/7 and Linux Operating Systems Supported
- Best ENOB, SNR, SFDR Dynamic Parameter Performance:
  - True ENOBs of over 11-Bits for 14-Bit and 16-Bit Digitizers
  - True ENOBs of over 10-Bits for 12-Bit Digitizers
  - True ENOBs of over 7-Bits for 8-Bit Digitizers
- 100 kHz to 27 GHz Wideband Signal Frequency Coverage
- Up to 6 GS/s Sampling Rates for A/D
- Up to 16 GB of Deep Onboard Digitizer Sample Memory
- Up to 4+ GB/s Gap-Free Sustained PCIe Data Streaming Rates
- Advanced Timing Capabilities for Clocks and Triggers
- Advanced Real-Time eXpert FPGA DSP Routines:
  - DDC, OCT, Signal Averaging, FIR Filtering, FFT, Peak Detection
- Large Channel Counts with Synchronized Sampling
- LAN Based Faceless Connected Instruments (FCiX)
- Programming-Free Operation with GaGeScope PC Oscilloscope Software
- Programming-Free Spectrum Analyzer Software with Downconverters
- Software Development Kits Available for C/C#, LabVIEW and MATLAB

Digitizer Dynamic Parameter Performance that is Best-in-Class!

GaGe high-performance digitizers are renowned for sustaining the maximum effective number of bits (ENOB) over a wide signal frequency range with quality signal conditioning and signal fidelity features.

Most engineers and scientists focus on sample rate and resolution when selecting high speed digitizer products. Those "banner specs" will usually narrow the pool of candidates in the final selection. To really understand the true overall digitizer performance, the best specification to use is ENOB, or Effective Number of Bits.

The most widely used definition for ENOB is:

- ENOB = (SINAD – 1.76) / 6.02

Where all values above are given in dB. SINAD is the signal to noise and distortion ratio, again in dB.

The use of ENOB allows one to evaluate the entire performance of the digitizer under consideration. It includes errors and non-linearity in the data converter chip, the front end analog amplifier, sample clock jitter, and interleave function if used to extend the sample rate. To be used effectively in comparing digitizer products, one should look at ENOB versus frequency - ENOB is usually much better at lower frequencies.

Drawing on experience from the development of many generations of digitizer product, the engineers designing GaGe products have created proprietary methods and tests to maximize ENOB. Today GaGe digitizer products consistently have best in class ENOB specifications for a given resolution and sample rate.

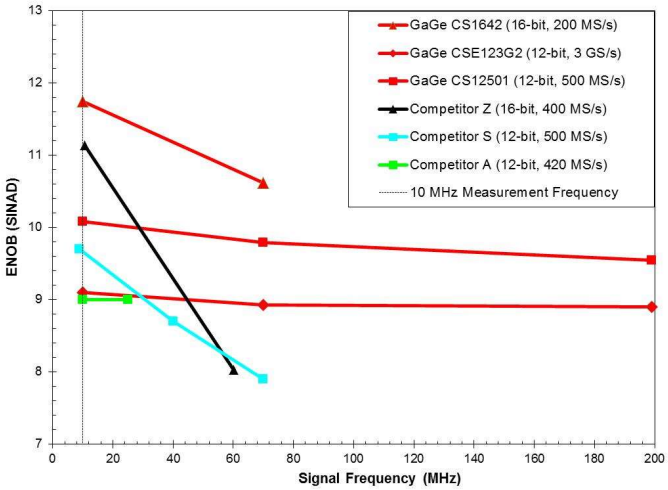
Figure 1 is a good example, comparing GaGe digitizers to similar competitive products from other suppliers. Note the ENOB specifications for the GaGe digitizer models remains almost flat at higher frequencies, versus the trend of other products to dramatically decrease as frequency increases. The GaGe 12-bit digitizers have much better ENOB than competitor "Z's" 16-bit product at test frequencies above 30 MHz!

Figure 2 shows another case of the ENOB comparisons between the GaGe 8-bit Cobra Digitizer and competitive products. Again, the GaGe ENOB remains fairly flat across frequency, and easily beats a competitor's 10-bit design.

Customers have acknowledged the GaGe difference in digitizer ENOB performance as well. Recently an engineer told us about ENOB tests they performed on many new 12-bit, 1 to 2 GS/s digitizer products. Their results showed the GaGe CS121G2 CompuScope 2 GS/s digitizer had 1.5 more effective bits than the other new models. This meant their system dynamic range was increased by about 9 dB by selecting GaGe.

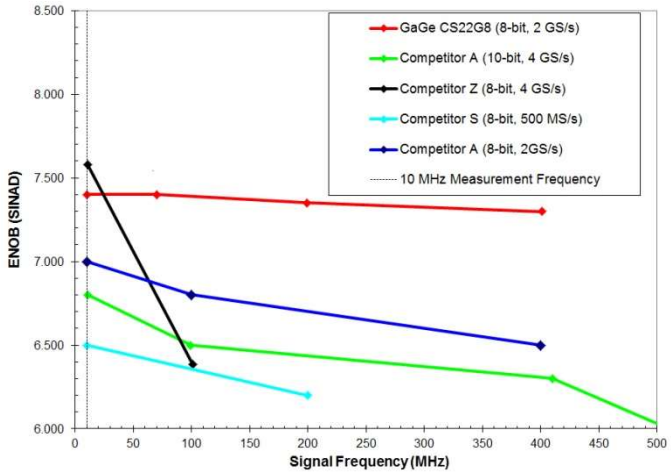
If your company is pushing the limits, and wants the best measurement technology available today, look carefully at specifications beyond resolution and speed, and include ENOB in your final decision. Look to GaGe for the leading products in high speed digitizer technology.

Figure 1:



ENOB vs. Frequency for 12-bit to 16-bit Digitizers

Figure 2:



ENOB vs. Frequency for 8-bit to 10-bit Digitizers

Deep Digitizer Memory to Enhance Digitizer System Performance

Digitizer memory can be used in many ways to greatly enhance the digitizer system's performance. The size of onboard digitizer memory is one of the most important specifications for users interested in real-time data capture, streaming, or triggered event capture.

In general, onboard digitizer memory can be used in 3 ways:

1. For real-time storage of continuous gap-free waveforms (see Table 1 for data recording times versus sample rates for various digitizer memory sizes).

2. The digitizer memory is segmented, and then used to store waveforms acquired at extremely fast trigger rates, (i.e. say, 500 kHz trigger rates).

3. The digitizer memory is used as a large first in, first out (FIFO) buffer for streaming data in real-time to the PC. In this case, the large digitizer memory allows for asynchronous data collection by the digitizer, and post processing by the PC. The large digitizer memory allows for PC OS interruptions, so that the PC does not need to synchronize actions with the digitizer. The multi-GS (GigaSample) buffer allows for intense PC post processing delays by graphics, LAN, storage drives, and other operations.

Most importantly, deep digitizer memory provides ***real-time, multi-channel synchronized data recording*** capability, in a way that can't be done by other means, due to high speed multi-GS/s sample rates. In all 3 cases above, the more digitizer memory, the better.

GaGe PCI Express (PCIe) Digitizers lead the data acquisition industry for onboard digitizer memory capacity. GaGe PCIe digitizers have both the largest standard size onboard digitizer memory – ***1 GS or 2 GS*** – and the greatest optional onboard digitizer memory upgrade capacities – ***up to 4 GS, 8GS and 16 GS*** –available from any digitizer supplier.

16 GS of onboard digitizer memory for 8-bit resolution sampling, and 8 GS of onboard digitizer memory for 12-bit / 14-bit / 16-bit resolution sampling leads the world today in total memory depth for PCIe digitizers.

Using the GaGe Cobra Express PCIe Digitizer for example, this would allow for 16 seconds of single channel 8-bit real-time recording at 1 GS/s (Table 1), without using large disk arrays, or transferring any data in real-time to the computer.

This large amount of digitizer onboard recording memory can now be used effectively with Windows 64-bit OS that allow complimentary large memory in the PC for data offloading, post processing, and storage.

Plus GaGe turnkey PC oscilloscope software, GaGeScope, fully supports post processing from the maximum optional digitizer memory configurations. This allows turnkey, multi-channel scope like systems to be built with no programming required.

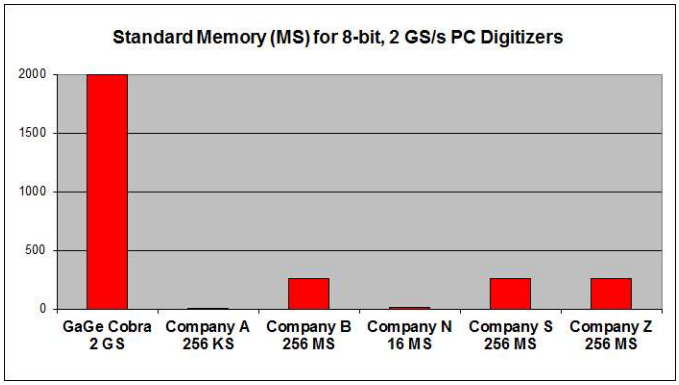
Table 1:

	Sample Rate					
	4 GS/s	2 GS/s	1 GS/s	500 MS/s	200 MS/s	100 MS/s
Digitizer Memory	Memory Recording Times (seconds)					
16 GS	4	8	16	32	80	160
8 GS	2	4	8	16	40	80
4 GS	1	2	4	8	20	40
2 GS	0.5	1	2	4	10	20
256 MS	0.062	0.125	0.25	0.5	1.25	2.5
16 MS	0.004	0.008	0.015	0.031	0.08	0.15

Recording Time vs Digitizer Memory Capacity for Various Sample Rates

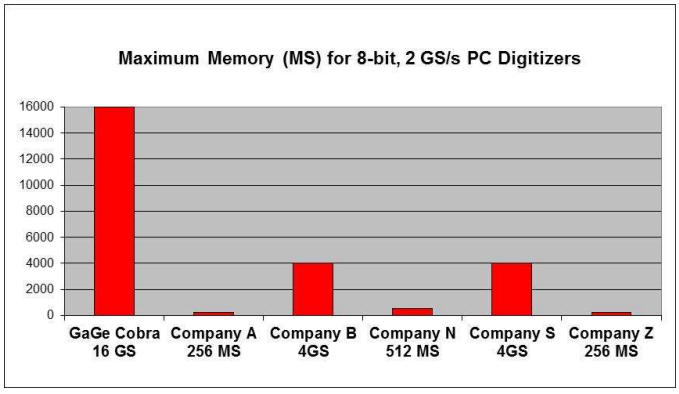
So, how does GaGe onboard digitizer memory stack up to the competition? We recently surveyed and summarized an onboard memory comparison of GaGe PCIe Digitizers to other digitizer suppliers, for models in the same approximate sample rate and performance ranges:

Figure 1:



Standard Digitizer Base Model Memory Capacity of 6 Competitive Models

Figure 2:



Maximum Digitizer Model Memory Capacity of 6 Competitive Models

For maximum optional digitizer memory, the 16 GS provided by the GaGe 8-bit PCIe digitizer is again 4 times larger than any other digitizer supplier's capability. It is currently the largest high speed digitizer memory available from any scope or digitizer supplier; and it is surprisingly low priced as compared to the price charged for additional memory on other competing digitizer products.

Wideband Downconverters with Frequency Coverage up to 27 GHz

GaGe wideband downconverters are wide frequency coverage receivers featuring breakthrough frequency and bandwidth coverage for their size and cost. They feature a single RF input, available with 3 standard or 3 optional software selectable bandwidths, covering three frequency ranges from 100 kHz to 8 GHz, 18 GHz, or 27 GHz. The carrier center frequencies can be tuned from 50 MHz to 27 GHz, using direct digitization below 50 MHz.

The downconverters feature bandwidths of 100 MHz (standard) or 160 MHz (optional) direct conversion (0 Hz IF) I and Q analog outputs. These wideband versions can be software configured for super heterodyne mode with a bandwidth of either 40 MHz or 10 MHz (standard) on a single IF output centered at 35 MHz IF, or with a bandwidth of either 80 MHz (optional) on a single IF output centered at 55 MHz IF.

These wideband products are engineered for analyzing wideband digital communications - cell phone standards 3G/4G/LTE, WiFi, or general Vector Signal Analysis (VSA) applications involving broadband signals.

The Downconverter RF front end is a unique architecture, consisting of super-heterodyne and direct conversion technologies that are software selectable. The front end processing blocks utilize up to 21 pre-select filters to mitigate input-related spurs and image responses.

The Downconverter models, when combined with GaGe High Speed Digitizers, allow for complete real-time signal recording and analysis systems covering frequencies up to 27 GHz. These solutions greatly extend the digitizer's frequency range, and allow those developing applications in R&D, Manufacturing Test, and Field Service high performance, lower cost platforms for complex wideband RF and microwave signal analysis.

Downconverter standard bandwidth modes of 100 MHz, 40 MHz, and 10 MHz are ideally suited for use with the GaGe Razor Express PCIe Digitizer that features 16-bit resolution sampling up to 200 MS/s, along with up to 16 GB of onboard memory for real-time gap free signal recording at 100 MHz bandwidth.

Downconverter standard bandwidth modes of 160 MHz, 80 MHz, and 10 MHz are ideally suited for use with the GaGe RazorMax Express PCIe Digitizer that features 16-bit resolution sampling up to 1 GS/s, along with up to 8 GB of onboard memory for real-time gap free signal recording at 160 MHz bandwidth.

The large FIFO memory of the GaGe digitizers also allow for real-time streaming of I and Q baseband signals at 2 GB/s (Razor Express) or 4+ GB/s (RazorMax Express) over PCI Express to PC memory for post processing, display, and storage.

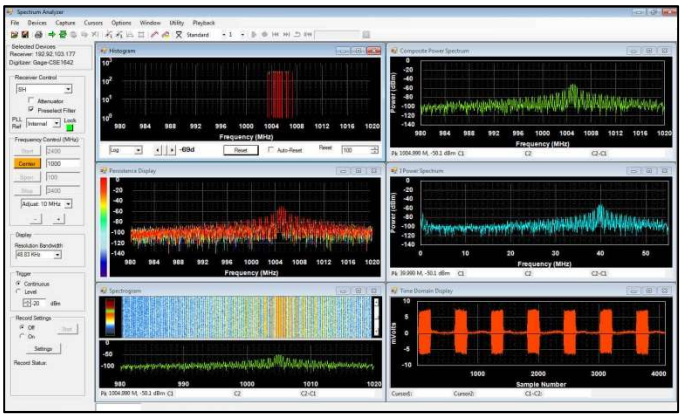
The Digitizers and Downconverters have full control and data acquisition support via Mathworks MATLAB, with example programs furnished to facilitate rapid signal processing and modulation analysis program development. Additional software SDK and example programs are available for C/C# and LabVIEW.

Wideband Downconverters

DC Receiver Model	Frequency Coverage	Standard Bandwidth	Optional Bandwidth	Pre-Select Filter Bank
DC8G100	100 kHz to 8 GHz	100 MHz (0 Hz IF), 40 MHz (35 MHz IF), 10 MHz (35 MHz IF)	160 MHz (0 Hz IF), 80 MHz (55 MHz IF), 10 MHz (35 MHz IF)	9-Channel Switched, No Pre-Amp
DC8GP100	100 kHz to 8 GHz	100 MHz (0 Hz IF), 40 MHz (35 MHz IF), 10 MHz (35 MHz IF)	160 MHz (0 Hz IF), 80 MHz (55 MHz IF), 10 MHz (35 MHz IF)	14-Channel Switched, w/Pre-Amp
DC18G100	100 kHz to 18 GHz	100 MHz (0 Hz IF), 40 MHz (35 MHz IF), 10 MHz (35 MHz IF)	160 MHz (0 Hz IF), 80 MHz (55 MHz IF), 10 MHz (35 MHz IF)	18-Channel Switched, w/Pre-Amp
DC27G100	100 kHz to 27 GHz	100 MHz (0 Hz IF), 40 MHz (35 MHz IF), 10 MHz (35 MHz IF)	160 MHz (0 Hz IF), 80 MHz (55 MHz IF), 10 MHz (35 MHz IF)	21-Channel Switched, w/Pre-Amp

SpectraScopeRT – Real-Time Spectrum Analyzer Software

Included real-time Spectrum Analyzer program requires no programming and allows for control of receiver center frequency, bandwidth, plus signal recording and playback. SpectraScopeRT features real-time FFT power spectrums (with peak hold and persistence), spectrograms, histograms, and time domain displays while recording, and upon recording playback. It supports dual receiver, double bandwidth operation for both real-time display and gap-free recording. This allows 2 downconverters feeding a single digitizer to display and record parallel side by side bandwidths, effectively doubling the available bandwidth up to 320 MHz.



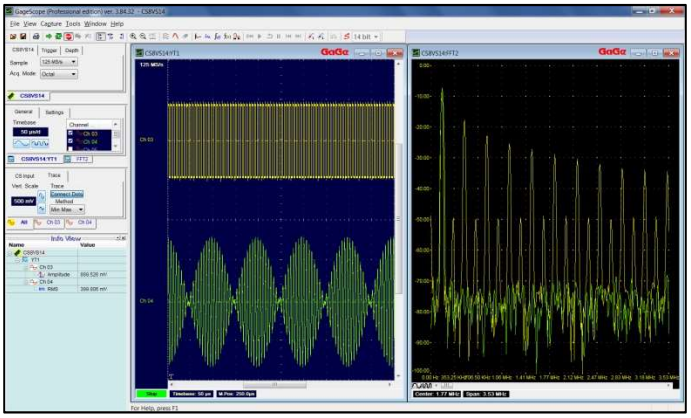
eXpert FPGA DSP Technology

GaGe's eXpert PCIe Data Streaming, DDC, Signal Averaging, FFT, FIR Filtering, and Peak Detection FPGA DSP technology provides a fast and efficient means for users to process data onboard CompuScope digitizers and transfer only the data that is of interest to the PC for further analysis.

eXpert FPGA DSP features are designed to be transparent to standard CompuScope digitizer drivers for Windows and can be implemented by existing customers on digitizers already in use in the field without requiring the digitizer to be returned to GaGe for reprogramming.

eXpert FPGA Feature	Feature Description
PCIe Data Streaming	All GaGe PCIe CompuScope Digitizers support streaming of waveform data from their ADC chips through their dual-port onboard memory directly to PC RAM at up to 2.0 GB/s or 4.0 GB/s. The user may create their own data streaming software or may purchase complete Stream-to-Disk systems for high-speed, high-volume turn-key data recording.
Digital Down Conversion (DDC)	Digitally down convert higher frequencies with various decimation factors for a targeted specified NCO frequency. Use with PCIe data streaming to effectively record only the data of interest.
Optical Coherence Tomography (OCT)	Supports variable rate k-clocking or inactive external clock by simultaneously digitizing the interferometer signal with the returned optical signal.
Signal Averaging	Allows users to detect a small repetitive signal in a noisy environment. This feature allows for rapid signal averaging with absolutely no CPU loading. Using signal averaging, small signals can be extracted from a background of high amplitude noise, which may even be larger than the actual signal itself.
Finite Impulse Response (FIR) Filtering	Removes unwanted signal features (like noise) and emphasizes signal features of interest. Traditional analog filters are usually limited to rather simple filtering methods, such as low-pass filtering, high-pass filtering and band-pass filtering. Numerical filtering of digitized waveform data allows much more complex filtering methods such as Moving Average Filters and Gaussian Filters to be implemented.
Fast Fourier Transform (FFT)	Typically, Fourier transformation of time-domain waveforms requires the execution of the computationally-intensive Fast Fourier Transform (FFT) algorithm on a host PC. This feature now removes this computational load from the host PC and performs 512, 1024 or 2048 point FFT calculations on time-domain waveforms acquired by CompuScope digitizers during PCIe transfers.
Peak Detection	Captured data is stored directly to the onboard FPGA to analyze and provide only the peak information consisting of the maximum and minimum values within a waveform and their positions.

GaGeScope – PC Oscilloscope Software



GaGeScope is a solutions oriented PC oscilloscope software package that allows users to quickly and easily control GaGe's advanced CompuScope digitizers without having to write a single line of code. Data can be displayed, analyzed, printed and saved with an easy-to-use Windows-based user interface.

GaGeScope Lite is provided free of charge with any CompuScope digitizer model. Upgrade to the Standard or Professional versions of GaGeScope to gain access to more advanced features and functionalities.

SDKs for C/C#, LabVIEW and MATLAB

GaGe provides extensive software support for custom application development with Software Development Kits (SDKs) for C/C#, MATLAB, and LabVIEW for CompuScope digitizers.

All SDKs provide several powerful programming examples illustrating the use of CompuScope digitizer hardware in different operating modes. These sample programs serve as a starting point for users to develop customized software applications optimized for their specific application requirements.

Sig-Stations – Complete Integrated Systems

Sig-Stations are high-performance PC workstations designed specifically for integrating GaGe instruments and maximizing their operational performance. Systems are tailored for real-time signal recording or signal playback applications that require a guaranteed continuous sustained data streaming rate with no missing data.

- 40 to 80 PCIe Gen3 Lanes Provide Dedicated I/O Bandwidth Slots for Efficient High-Speed Transfer Rates for Multiple Instruments
- Intel Xeon Platforms from 4 to 44 CPU Cores with System RAM from 16 GB to 512 GB for High-Performance Host Processing
- High-Speed Integrated Data Storage Systems with Sustained Data Streaming Rates up to 6 GB/s and Capacity up to 192 TB for Real-Time Signal Recording Applications
- Turnkey System Solution Ready for Use Right Out of the Box with all GaGe & Signatec Instruments and Software Installed

CompuScope Digitizer PCI Express (PCIe) Card Specification Matrix – Highlights

	8-Bit		12-Bit		14-Bit			NEW	16-Bit			
Spec	COBRAMAX	COBRA	EON	RAZOR	RAZOR	OCTOPUS	OCTAVE	RAZORMAX	RAZOR	OSCAR	OCTOPUS	OCTAVE
US Starting $	$7,105	$5,995	$13,000	$4,795	$5,895	$5,185	$3,675	$8,395	$7,395	$4,455	$5,995	$3,995
Performance												
# of Channels (CH) per Card	1 or 2	1 or 2	1 or 2	2 or 4	2 or 4	8	2 or 4	2 or 4	2 or 4	2 or 4	8	2 or 4
Max. Sampling Rate	4 GS/s: 1 CH 2 GS/s: 2 CH	2 GS/s: 1 CH 1 GS/s: 2 CH	6 GS/s: 1 CH 3 GS/s: 2 CH	200 MS/s per CH	200 MS/s per CH	125 MS/s per CH	125 MS/s per CH	1 GS/s or 500 MS/s per CH	200 MS/s per CH	100 MS/s per CH	25 MS/s per CH	25 MS/s per CH
Onboard Sample Memory	2 GS (2 GB) to 16 GS (16 GB)	2 GS (2 GB) to 16 GS (16 GB)	2 GS (4 GB) to 4 GS (8 GB)	4 GS (8 GB) to 8 GS (16 GB)	4 GS (8 GB) To 8 GS (16 GB)	2 GS (4 GB) to 8 GS (16 GB)	2 GS (4 GB) to 8 GS (16 GB)	4 GS (8 GB)	4 GS (8 GB) To 8 GS (16 GB)	2 GS (4 GB) to 8 GS (16 GB)	2 GS (4 GB) to 8 GS (16 GB)	2 GS (4 GB) to 8 GS (16 GB)
A/D Resolution	8-Bit	8-Bit	12-Bit	12-Bit	14-Bit	14-Bit	14-Bit	16-Bit	16-Bit	16-Bit	16-Bit	16-Bit
Input Channels												
Connectors	SMA	SMA	SMA	SMA	SMA	SMB	SMA	SMA	SMA	SMA	SMB	SMA
Impedance	50 Ω	50 Ω	50 Ω	50 Ω & 1M Ω	50 Ω & 1M Ω	50 Ω & 1M Ω	50 Ω & 1M Ω	50 Ω	50 Ω & 1M Ω	50 Ω & 1M Ω	50 Ω & 1M Ω	50 Ω & 1M Ω
Coupling	DC or AC	DC or AC	DC or AC	DC or AC	DC or AC	DC or AC	DC or AC	DC or AC	DC or AC	DC or AC	DC or AC	DC or AC
Bandwidth	1.5 GHz	500 MHz	1.75 GHz	125 MHz	125 MHz	100 MHz	100 MHz	700 MHz or 350 MHz	125 MHz	65 MHz	20 MHz	20 MHz
Voltage Ranges	±50 mV to ±5 V	±50 mV to ±5 V	±100 mV to ±5 V	±100 mV to ±50 V	±100 mV to ±50 V	±100 mV to ±10 V	±100 mV to ±10 V	±200 mV to ±1 V	±100 mV to ±50 V	±100 mV to ±50 V	±100 mV to ±10 V	±100 mV to ±10 V
Triggering												
# of Trigger Engines	Up to 5 Independent	Up to 5 Independent	Up to 5 Independent	Up to 9 Independent	Up to 9 Independent	Up to 17 Independent	Up to 9 Independent	Up to 9 Independent	Up to 9 Independent	Up to 9 Independent	Up to 17 Independent	Up to 9 Independent
Trigger Slope	Positive or Negative	Positive or Negative	Positive or Negative	Positive or Negative	Positive or Negative	Positive or Negative	Positive or Negative	Positive or Negative	Positive or Negative	Positive or Negative	Positive or Negative	Positive or Negative
Trigger Source	CH1 or CH2, EXT, Software	CH1 or CH2, EXT, Software	CH1 or CH2, EXT, Software	CH1 to CH4, EXT, Software	CH1 to CH4, EXT, Software	CH1 to CH8, EXT, Software	CH1 to CH4, EXT, Software	CH1 to CH4, EXT, Software	CH1 to CH4, EXT, Software	CH1 to CH4, EXT, Software	CH1 to CH8, EXT, Software	CH1 to CH4, EXT, Software
PCI Express												
Card Interface	Gen2 x8	Gen2 x8	Gen3 x8	Gen2 x8	Gen2 x8	Gen2 x8	Gen2 x8	Gen3 x8	Gen2 x8	Gen2 x8	Gen2 x8	Gen2 x8
Max. Sustained PCIe Streaming Rate	2 GB/s	2 GB/s	4+ GB/s	1.6 GB/s	1.6 GB/s	2 GB/s	1 GB/s	4+ GB/s	1.6 GB/s	800 MB/s	400 MB/s	200 MB/s
Single Slot Card Size	Full Height, Full Length	Full Height, Full Length	Full Height, ¾ Length	Full Height, Full Length	Full Height, Full Length	Full Height, Full Length	Full Height, Full Length	Full Height, ¾ Length	Full Height, Full Length	Full Height, Full Length	Full Height, Full Length	Full Height, Full Length
Max. # of Cards per PC	8 Cards 16 Channels	8 Cards 16 Channels	8 Cards 16 Channels	8 Cards 32 Channels	8 Cards 32 Channels	8 Cards 64 Channels	8 Cards 32 Channels	8 Cards 32 Channels	8 Cards 32 Channels	8 Cards 32 Channels	8 Cards 64 Channels	8 Cards 32 Channels

Please refer to product model data sheets at www.gage-applied.com for more detailed specifications. Information above is provided as a summary and is subject to change.

FCi$\mathcal{X}$ LAN Digitizer Specification Matrix – Highlights

FACELESS CONNECTED INSTRUMENTS

The GaGe series of Faceless Connected Instruments (FCiX) provide test and measurement professionals new options for integrating high resolution, multi-channel digitizers into Ethernet and LAN enabled measurement systems.

The Ethernet based FCiX Digitizers are fully VXI-11 compliant, allowing discovery of the digitizer instrument over a TCP/IP network. They are fully accessible and operable via a web browser, or with GaGe's programming-free GaGeScope PC Oscilloscope Software, which can enable rapid deployment of remote or distributed measurement systems.

Spec	COBRAMAX	COBRA	OCTOPUS	RAZOR
US Starting $	$7,625	$6,375	$13,195	$10,395
# of Channels	2	2	8	4
Max. Sampling Rate	4 GS/s: 1 CH 2 GS/s: 2 CH	2 GS/s: 1 CH 1 GS/s: 2 CH	125 MS/s per CH	100 or 200 MS/s per CH
Sampling Memory	2 GB	2 GB	2 GB	2 GB
A/D Resolution	8-Bits	8-Bits	14-Bits	16-Bits
Performance	Same as PCIe Card Model	Same as PCIe Card Model	Same as PCIe Card Model	Same as PCIe Card Model
Input Channels	Same as PCIe Card Model	Same as PCIe Card Model	Same as PCIe Card Model	Same as PCIe Card Model
Triggering	Same as PCIe Card Model	Same as PCIe Card Model	Same as PCIe Card Model	Same as PCIe Card Model
LAN Interface	1 Gigabit Ethernet	1 Gigabit Ethernet	1 Gigabit Ethernet	1 Gigabit Ethernet

GaGe Volume Embedded OEM Program

GaGe values our embedded OEM customers and understands their needs to complete projects on time and within budget. With our reliable, high-quality products and support, our OEM customers gain valuable time-to-market and save tens of thousands of development dollars. Our knowledgeable support staff assists OEM customers through all product lifecycle stages from development to production. This OEM-friendly philosophy is why we have so many satisfied OEM customers around the world.

The GaGe OEM Program consists of two tier levels: Gold and Platinum

- **Gold Tier Level**

  All established and identified GaGe OEMs enter the program at the Gold Tier Level where GaGe can help the OEM "focus on their added value" while we provide our expertise of integrating GaGe instrumentation products into customized PC solutions, including hardware, software and firmware. The Gold Tier Level includes the following feature benefits:

  - No charge supplied product evaluation unit(s) and Software Development Kits (SDKs) for qualification and initial development.
  - No charge telephone support through the evaluation.
  - Negotiated factory and/or on-site technical support including custom hardware/software development.

- **Platinum Tier Level**

  Once the OEM has specified a GaGe product ready for full production integration and release, they then move to the Platinum Tier Level that includes the following feature benefits:

  - Volume discount pricing is established.
  - OEM specification is established and corresponding product is given a unique part number to ensure quality tracking and Engineering Change Order (ECO) control.
  - All software tools are provided on a site-license basis.
  - A Smart Spares Pool (safety stock) program is established if the OEM application requires one. This ensures that a specified quantity of product is always kept on stock on a ready-to-ship basis.

We encourage you to contact GaGe and discuss your potential volume embedded OEM application in more detail with our engineering team.

About GaGe and DynamicSignals

GaGe is a product brand of DynamicSignals LLC, an ISO 9001:2008 certified company; and GaGe branded manufactured instruments are provided with a standard 2 year product warranty.

We are a customer oriented industry leader in high-performance, accurate, and reliable data acquisition solutions. Our core competencies include engineering, manufacturing and integration of data acquisition cards, digitizers, signal conditioners, and waveform generators into continuous signal data recording, processing and arbitrary signal generation systems.

Distributed By:

900 N. State St.
Lockport, IL 60441-2200

Toll-Free (USA and Canada):
Phone: 1-800-567-4243
Fax: 1-800-780-8411

Direct:
Phone: 1-514-633-7447
Fax: 1-514-633-0770

Email:
prodinfo@gage-applied.com

To find your local sales representative or distributor or to learn more about GaGe products visit:

www.gage-applied.com

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All specifications are subject to change without notice.