

# AT-1120 / AT-1212

## High Speed Arbitrary Signal Generator



**14 Bit - 2 GS/s Real Time Sample Rate**

**800 MHz Analog Bandwidth**

**Customizable FPGA & Digital Signal Processing**

**Multiple Module Synchronization: up to 32 CH**

# AT-1120 / AT-1212

## WIDEBAND, HIGH RESOLUTION ARBITRARY WAVEFORMS

### HIGH SPEED MODULAR SIGNAL GENERATOR:

2 GS/s REAL TIME SAMPLE RATE - 800 MHz ANALOG BANDWIDTH

### NEW GENERATION WAVEFORMS FOR COMPLEX REAL-WORLD SIGNALS

High bandwidth and high resolution AWGs help you to generate with confidence complex signals like digital modulations and RF stimuli for functional and performance tests.

AT-1120/AT-1212 FlexRIO Modules, by combining up to 2 GS/s with 14 Bit Vertical Resolution, generate high performance analog waveforms to meet demanding for test signals and applications where speed, resolution and quality is an issue.



TEST WITH CONFIDENCE

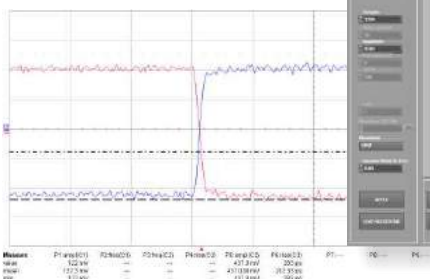


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INSTRUMENTS

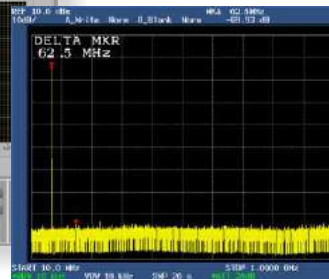
- RF Signal Generation
- Digital Modulations
- Extended waveform memory by using FlexRio onboard DRAM
- Very Low Harmonic Distortion
- Arbitrary and DDS modes
- Real Time Data Streaming and Processing
- LabView FPGA Graphical Programming

### Customizable LabView SW

#### Impulse Response



#### Signal Fidelity



### AT-1120 KEY FEATURES\*



- 2 GS/s Sample Rate
- 14 Bit Resolution
- 1 Channel
- 800 MHz Analog Bandwidth
- DC Coupled Output:  
2 Vpp Differential / 1 Vpp S.E.
- Harmonic distortion:  
< -65 dBc
- Non-harmonic spurious:  
< -75 dBc (1kHz to 800 MHz)

### AT-1212 KEY FEATURES\*



- 1.25 GS/s Sample Rate
- 14 Bit Resolution
- 2 Channels
- 480 MHz Analog Bandwidth
- DC Coupled Output:  
4 Vpp Differential / 2 Vpp S.E.
- Harmonic distortion:  
< -65 dBc
- Non-harmonic spurious:  
< -75 dBc (1 KHz to 480 MHz)

\*Preliminary. Subject to change without notice.

### About Active Technologies

Active Technologies is an Italian company expert in semiconductor test equipment and electronic instrumentation design. The company offers custom design and manufacturing services (OEM/ODM) taking advantage of its skills on high performance test instrumentation development.

Active Technologies has partnerships with companies world leader in T&M like LeCroy, Tektronix and National Instruments.

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