Guzik AXIe-1 ADP7000 Series 10-bit Modular Digitizers combined with DP7000 FPGA Digital Processor in one (2.5x more processing resources compared to ADC6000)

- **Modular, Scalable, Upgradeable:**
  - **Two channels** with **10 GHz** Analog Bandwidth, **32 Gsa/s** ADP7104 shown or **Four channels** with **6.5 GHz** Analog Bandwidth, **16 Gsa/s**
  - **Two channels** with **8 GHz** Analog Bandwidth, **20 Gsa/s** ADP7084 or **Four channels** with **4 GHz** Analog Bandwidth, **10 Gsa/s**
- **80 GBytes/s BW Memory:** Up-to 128 GByte/Module Scalable to 512 GByte in 4U with DP7000
- **Intel FPGA Processing:** Real-Time digital triggering, Patented Digital Waveform Equalization, Real-Time Patented Digital Down Conversion (DDC) with IF Magnitude trigger and equalization, Real-Time Periodic Averaging, Variable Segmented Memory Capture and Sequencing
- **Four dedicated Optical Data Interfaces:** for Continuous Real-Time Streaming to additional DP7000s, host PCs or RAIDs at up-to 2x32 Gsa/s (80 GBytes/s)
- **External I/O dynamic scenario port** provides real-time control access to processing FPGA-s. Precise DDC carrier frequency, phase and amplitude settings are possible in real-time through the sequencer control. Complex operations such as frequency sweeps are possible.
- **Application Software:**
  - Keysight **Infiniium Hosted Oscilloscope Interface for Digitizers** (N8901A),
  - Keysight **Vector Signal Analyzer** (89600), **Wideband Waveform Analyzer** (81199A)
  - Guzik **Signal Display**, Utilities and Guzik Signal Analyzer **Software Development Kit** (GSA SDK)
- **PCI Express x8 Gen3**-based connection in AXIe chassis up-to 6.4 GBytes/s
- Optional Dedicated **Optical Control Interface connection** with up-to 20 GByte/s to host PC
- **2U AXIe-1** module - ideal for ATE and systems applications

Guzik ADP7104 AXIe Digitizer and Processor,
Keysight M8190A 12 Gsa/s Arbitrary Waveform Generator,
Keysight M9537A AXIe High Performance Embedded Controller in 4U 5 slot Keysight M9505A AXIe chassis

To learn more, visit www.guzik.com
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