Flexibility and power for your large installation!

R5560

128 Channel 14-bit @125 MS/s Digitizer

SCI-COMPILER
CAEN

Open FPGA

The R5560 is an optimal solution for large experiments requiring fast digitization of analog signals and usage of several digital lines.
It features a single-link synchronization and cabling optimization capabilities.

The system embeds an open FPGA that the user can easily customize using the included block-diagram programming tool SCI-Compiler, to easily develop real-time data processing firmware.
Specifically designed for the readout of position-sensitive Detectors, Gaseous Detectors, PMTs, Germanium detectors, RPCs, Silicon Strips, 3He tubes and other detectors.

CHECK THIS OUT!

- 2U, 19” Rackmount unit with automatic fan control
- 128 analog input channels, differential input (single ended version coming soon)
- 14-bit @125 MS/s ADC
- Based on Xilinx Zynq-7000 SoC with open FPGA
- Maximum flexibility: USB3.0, Ethernet, and Optical Link connectivity, to support remote management as well as extreme fast data flow
- 2.4” touch screen display for quick configuration and status control
- Fully supported by **SCI-Compiler** for easy FPGA programming (graphical programming interface)
- Easy multiboard synchronization

DT5560SE

32 Channel 14-bit@125 MS/s

COMING SOON

Waveform Digitizer Family

720/724 Digitizer Family
8/4/2 Ch. 12/14-bit 100/250 MS/s

725/730 Digitizer Family
16/8 Ch. 14-bit 250/500 MS/s

740 Digitizer Family
64/32 Ch. 12-bit 62.5 MS/s

751/761 Digitizer Family
2/1/8-4/4-2 Ch. 10-bit 1-2-4 GS/s

742/743 Switched Capacitor Digitizer Family
32+2/16+1 - 16/8 Ch. 12-bit 3.2/5 GS/s

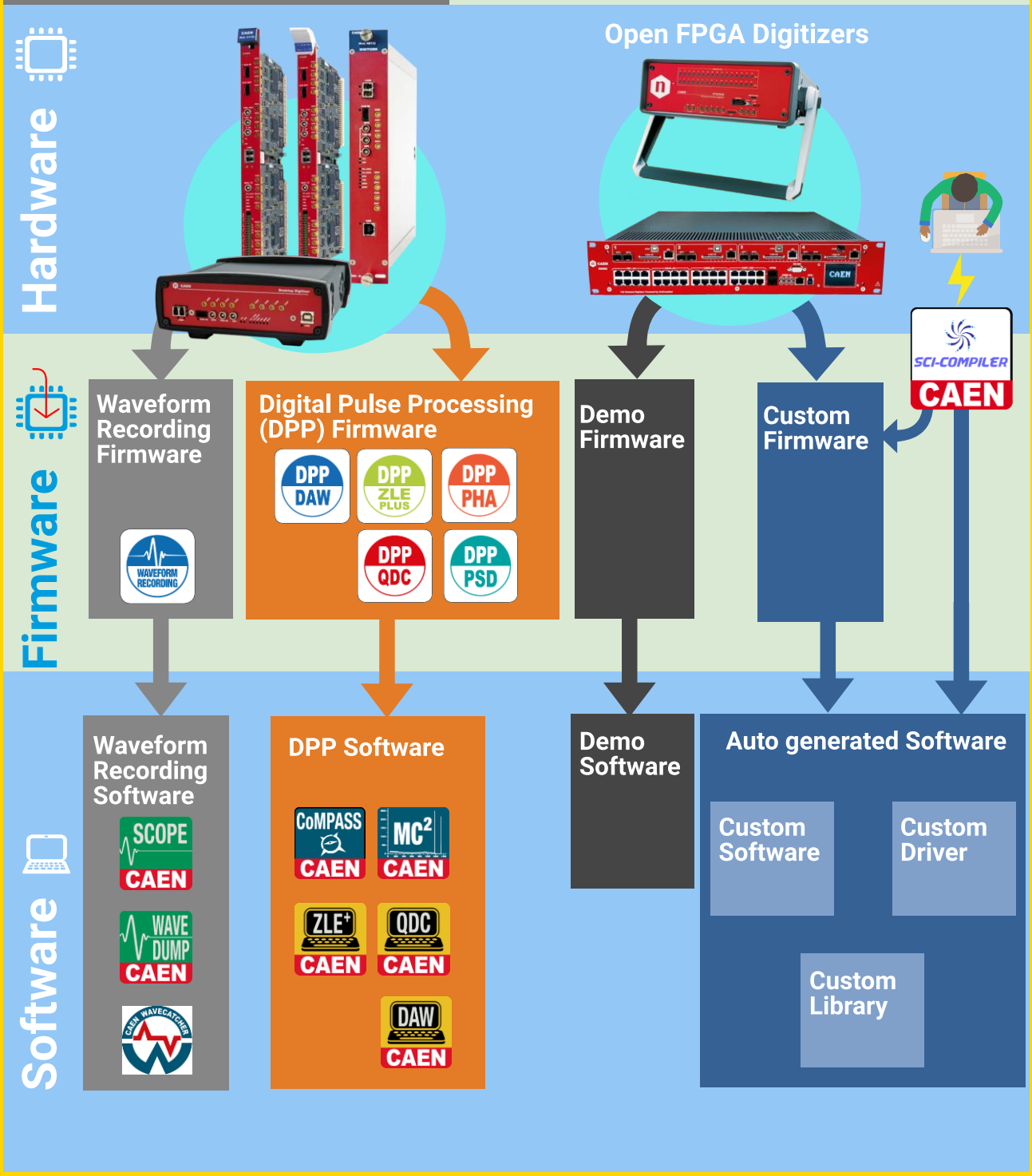
Acquisition Modes

CHECK THIS OUT!

Firmware and Software Selection

Thanks to their flexibility, CAEN Digitizers can be operated as pure waveform recorders or can run special algorithms to process the digitized pulses and extract a set of significant information like energy, pulse shape and precise timing.

Each acquisition mode makes use of a specific firmware and software to tailor the digitizer capabilities to the user's needs.



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