

CAENDigitizer Library

**Library of functions
for CAEN Digitizers
high level
management**

CAEN

Digitizer

Features



- Set of functions for the control and the use of:
 - CAEN Digitizers families
 - CAEN Digital MCAs
 - CAEN Digital Pulse Analyzer **DT5790**
- Available for C/C++ environment (Windows, Linux) and LabVIEW environment (Windows)
- DPP firmware (PHA, PSD, CI and ZLEplus) managed

Description

CAENDigitizer contains the functions to program CAEN boards like Digitizers, **Digital MCAs** and **Digital Pulse Analyzers**, to manage the acquisition, execute the readout, unpack the data, send triggers, etc. This library is designed specifically to support both Standard and DPP firmware.

CAENDigitizer library relies on the **CAENComm** and **CAEVMELib** libraries, allowing to implement a common interface to the higher software layers, masking the details of the physical channel and its protocol. Libraries and applications that rely on the CAENDigitizer become this way independent from the physical layer.

Supported Operating Systems:	Windows (32-64 bit), Linux (32-64 bit)
Language:	C, LabVIEW (Windows only)
Supported Products:	VME, NIM and Desktop digitizers(a), Digital MCAs and Digital Pulse Analyzer <u>DT5790</u>
Supported Comm. Interface:	USB, Optical Link, VME
Additional Software Required:	CAENComm, CAEVMELib, NI LabVIEW Development System

(a) The LabVIEW library doesn't support 743 digitizer family and DPP-ZLEplus firmware.

Related Products

N6781



Dual/Quad Digital Multi Channel Analyzer - NIM

N6730 / N6730S



8 Channel 14-bit 500 MS/s Digitizer

DT5761



1 Input Channel 10 bit 4 GS/s Digitizer

N6761



1 Channel 10 bit 4 GS/s Digitizer

N6740D



32 Channel 12bit 62.5 MS/s Digitizer

N6720



4 Channel 12 bit 250 MS/s Digitizer

DT5751



2/4 Input Channel 10 bit 2/1 GS/s Digitizer

V1720



8 Input Channel 12bit 250 MS/s Digitizer

DT5780



Dual Digital Multi Channel Analyzer (HV & Preamplifier PS) - Desktop

V1724



8 Input Channel 14 bit 100 MS/s Digitizer

DT5781



Dual/Quad Digital Multi Channel Analyzer - Desktop

N6780



Dual Digital Multi Channel Analyzer (HV & Preamplifier PS) - NIM

N6724



2/4 Channel 14 bit 100 MS/s Digitizer

N6742



16+1 Channel 12bit 5 GS/s Switched Capacitor Digitizer

DT5743



8 Input Channel 12bit 3.2 GS/s Switched Capacitor Digitizer

N6740



32 Channel 12bit 62.5 MS/s Digitizer

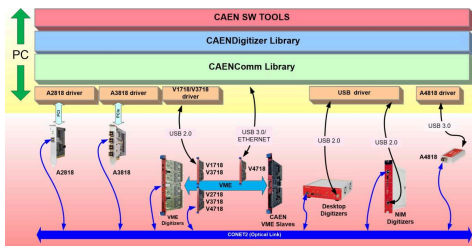
DT5740



32 Input Channel 12 bit 62.5MS/s Digitizer

CAEN

Digitizer



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