

New

CAEN FELib Library

**High level library
for CAEN Digitizers
2.0**

CAEN

FELib

Features

- Set of functions for the control and use of **CAEN Digitizers 2.0** and **CAEN Digitizer 1.0**.
- Available in C/C++ and **Python** for Windows and Linux OS.
- Python Open Source project and examples available **here**.
- Open-Source software (GNU Lesser General Public License 3).
- New approach to access firmware with parameters, much easier to understand and use.
- Multithread support.

Description

CAEN Waveform digitizers x27xx introduce a new approach in the access to the firmware parameters, providing an abstraction of the register in the form of library parameters much easier to understand and use.

This new approach is meant to simplify the life of those users that are required to build their own **DAQ system** and software and so need to access the digitizer firmware parameters.

CAEN FELib can be used to control and acquire data from the new generation of CAEN digitizers. This library is just an interface and does not include support for any digitizer family. To use a digitizer, the user must also install the respective underlying CAEN Digitizers 2.0 library.

Supported Operating Systems Windows, Linux (source code provided), Arm

Language C, Python

Supported Products Digitizers 2.0 (**2740 family** and **2745 family, 2730 family**)
Digitizers 1.0

Additional Software Required **CAEN Digitizers 2.0**
CAEN Digitizers 1.0

License GNU Lesser General Public License 3

Related Products

VX2740



64 Input Channel 16 bit 125 MS/s Digitizer

VX2730



32/16 Input Channel 14 bit 500 MS/s Digitizer with Programmable Analog Gain

V2745



64 Channel 16 bit 125 MS/s Digitizer with Programmable Input Gain

V2740



64 Channel 16 bit 125 MS/s Digitizer

VX2745



64 Input Channel 16 bit 125 MS/s Digitizer with Programmable Input Gain

DT2745



64 Channel 16 bit 125 MS/s Digitizer with Programmable Input Gain

DT2740



64 Input Channel 16 bit 125 MS/s Digitizer

DT2751



16 Input Channel 14 bit 1 GS/s Digitizer with Programmable Input Gain

VX2751



16 Input Channel 14 bit 1 GS/s Digitizer with Programmable Input Gain

This document, or parts thereof, may not be reproduced in any form or by any means without written permission from Caen S.p.A. Although every effort has been made to ensure the accuracy of information presented in this catalog, Caen S.p.A reserves the right to modify its products specifications without giving any notice; for up to date information please visit www.caen.it © Caen S.p.A - 2024

CAEN S.p.A.

Via Vetraia 11
55049 - Viareggio
Italy

Phone +39.0584.388.398

Fax +39.0584.388.959

info@caen.it

www.caen.it

CAEN GmbH

Brunnenweg 9
64331 Weiterstadt, Germany

Phone +49 (0)212.254.4077

Mobile +49 (0)151.16.548.484

info@caen-de.com

www.caen-de.com

CAEN Technologies, Inc.

1 Edgewater Street - Suite 101
Staten Island, NY 10305
USA

Phone +1.718.981.0401

Fax +1.718.556.9185

info@caentechnologies.com

www.caentechnologies.com

CAENspa India Private Limited

B205, BLDG42, B Wing,
Azad Nagar Sangam CHS,
Mhada Layout, Azad Nagar, Andheri West
Mumbai, Maharashtra 400053, India

info@caen-india.in

www.caen-india.in

