

CAEN FERSlib Library

High level library
for FERS-5200
Boards

CAEN

FERSlib

Features

- Full control and data acquisition for **CAEN FERS-5200 boards**
- Available in **C/C++** for Windows® and Linux® platforms
- **Supports all acquisition modes**: spectroscopy, timing (ToA/ToT), and counting modes
- Manages TDlink-based multi-board systems (**DT5215** / **DT5216** connection)
- Designed for integration in custom DAQ frameworks
- Comprehensive documentation available in the lib package

Description

The **CAEN FERS library (FERSlib)** is a C/C++ software API designed for **advanced configuration, control, and data acquisition** of devices in the **FERS-5200 family**. It is fully compliant with **C99 and C++17 standards**, ensuring compatibility and easy integration within custom DAQ systems operating on both **Windows®** and **Linux®** platforms.

Designed for users who need **complete programmatic access** to FERS-5200 hardware, FERSlib enables scalable and efficient control of single modules or large multi-board setups in demanding experimental environments. The package also includes **comprehensive documentation** in the `doc/html` folder, providing a detailed reference for installation, configuration, and development.

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