CAEN
Tools for Discovery

Discontinued

CAEN Upgrader

Firmware Upgrade Tool for Front-end Boards Bridges & VME Power Supply

Features

- Graphical Application for firmware upgrade on CAEN Front-end boards, bridges, and VME power supply units.

×**Note:**
CAEN Upgrader is no longer receiving updates. If you've already downloaded the software, you can still use CAEN Upgrader, but we strongly recommend switching to **CAEN Toolbox**. It's our new software designed to update and debug your Frontend Boards, Power Supply, and Controller.

Description

CAENUpgrader is a software tool with a **Java Graphical User Interface** (for Windows and Linux OS) to easily upgrade the firmware on a large selection of CAEN boards, including digitizers, bridges and controllers, VME power supply boards. It reunites all the functions included in the cvUpgrade, CAENBridgeUpgrade and PLLConfig CAEN programs, also allowing to configure the PLL settings of VME digitizers (i.e. set the ADC sampling frequency, enable the clock output, etc.), to get the hardware and firmware information and load the license to unlock the pay firmware (e.g. **DPP-CI**, **DPP-PHA**, **DPP-PSD** and **DPP-ZLEplus**).

CAENUpgrader requires the installation of the **CAENComm** and **CAENVMELib libraries**, as well as the third-party Java SE 6 (or higher).

CAENComm allows CAENUpgrader to access target board via USB or via CAEN proprietary CONET optical link, using the following channels of communication:

- PC => USB => CAEN Front-end Modules with USB 2.0 interface
- PC => USB => **V1718** => VME => CAEN Slave VME Modules
- PC => USB => **V3718** => VME => CAEN Slave VME Modules
- PC => PCI (**A2818**)/PCIe (**A3818**) => Optical Link => CAEN Modules with Opt. link
- PC => PCI (A2818)/PCIe (A3818) => Optical Link => V2718 => VME => CAEN Slave VME Modules
- PC => PCI (A2818)/PCIe (A3818) => Optical Link => V3718 => VME => CAEN Slave VME Modules

Supported Operating Systems	Windows, Linux
Language:	C, **LabVIEW** (Windows only)
Supported Products:	VME, NIM and Desktop Digitizers, 780 and 781 Digital MCA families, DT5790 Digital Pulse Analyzer, V1x90 TDC family, **V1495**, **V1718**/**V2718**/**V3718** VME Bridges, **V65xx** HV Power Supplies, DT55xx HV Power Supplies, **A2818**/**A3818** PCI/PCIe Controllers, **SY2791**
Supported Comm. Interface	USB, Optical Link, VME
Additional Software Required	CAENComm, CAENVMELib, Java Runtime Environment

Related Products

N6742

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

V1761

2 Input Channel 10 bit 4GS/s Digitizer

VX1761

2 Input Channel 10 bit 4GS/s Digitizer

DT5725 / DT5725S

8 Input Channel 14-bit 250 MS/s Digitizer

VX1740

64 Input Channel 12bit 62.5 MS/s Digitizer

A2818

PCI CONET Controller

DT5720

4/2 Input Channel 12bit 250 MS/s Digitizer

DT5730 / DT5730S

8 Input Channel 14 bit 500 MS/s Digitizer

N6730 / N6730S

8 Channel 14-bit 500 MS/s Digitizer

VX1730 / VX1730S

16/8 Input Channel 14 bit 500 MS/s Digitizer

N6725 / N6725S

8 Channel 14-bit 250 MS/s Digitizer

DT5742

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

V1742

32+2 Channel 12bit 5 GS/s Switched Capacitor Digitizer

V1725 / V1725S

16/8 Input Channel 14-bit 250 MS/s Digitizer

VX1751

4/8 Input Channel 10 bit 2/1 GS/s Digitizer

DT5790

Dual Digital Aquisition System for Charge Integration and Pulse Shape Discrimination

VX1743

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

VX1720

8 Input Channel 12bit 250 MS/s Digitizer

DT5781

Dual/Quad Digital Multi Channel Analyzer - Desktop

VX1725 / VX1725S

16/8 Input Channel 14-bit 250 MS/s Digitizer

DT5743

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

N6780

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

A3818

PCI Express CONET2 Controller

VX1742

32+2 Channel 12bit 5 GS/s Switched Capacitor Digitizer

VX3718

VME64 to USB 2.0/Optical Link Bridge

V3718

VME to USB 2.0 / Optical Link Bridge

DT5740

32 Input Channel 12 bit 62.5MS/s Digitizer

DT5761

1 Input Channel 10 bit 4 GS/s Digitizer

N6761

1 Channel 10 bit 4 GS/s Digitizer

V1751

4/8 Input Channel 10 bit 2/1 GS/s Digitizer

DT5780

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

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