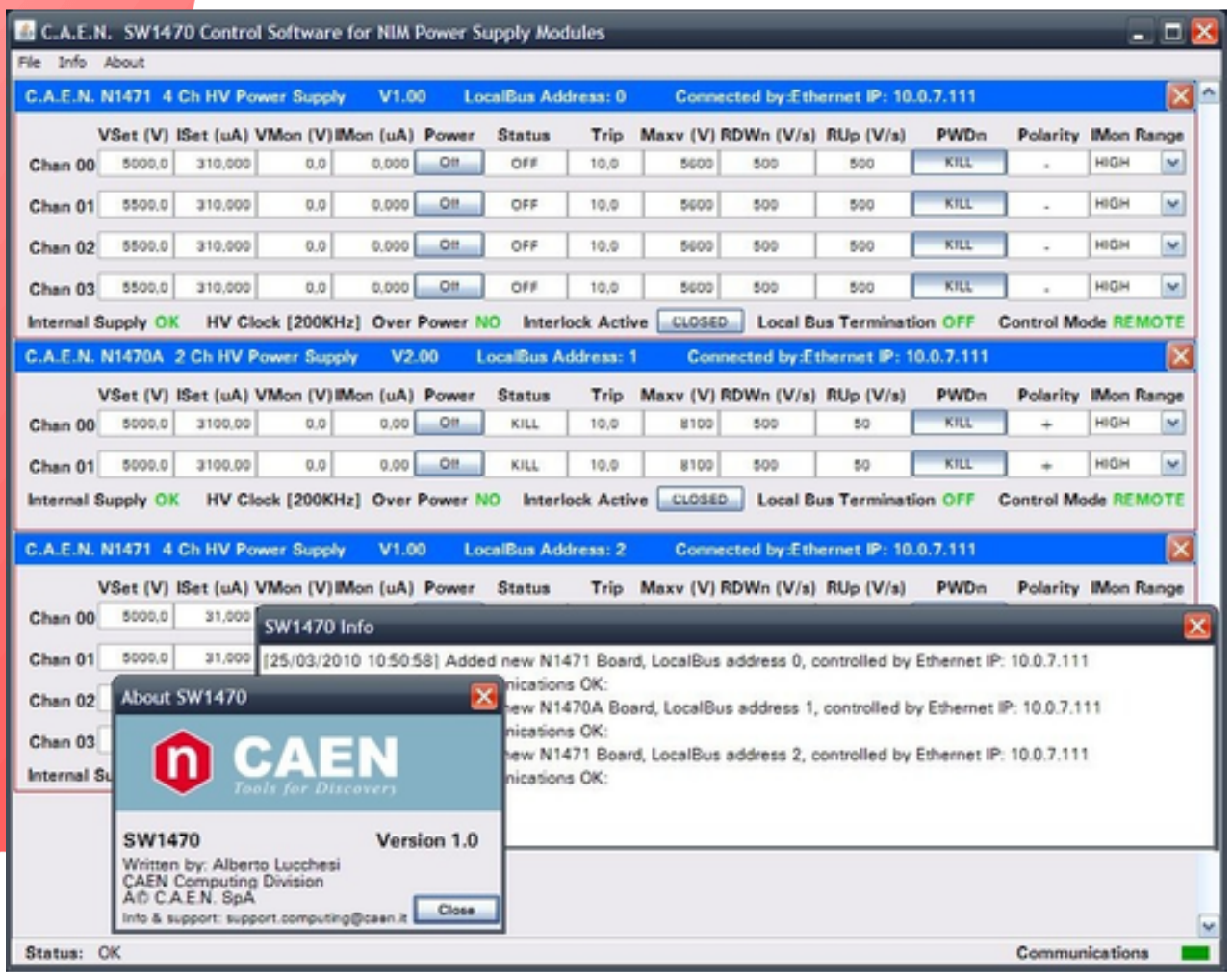
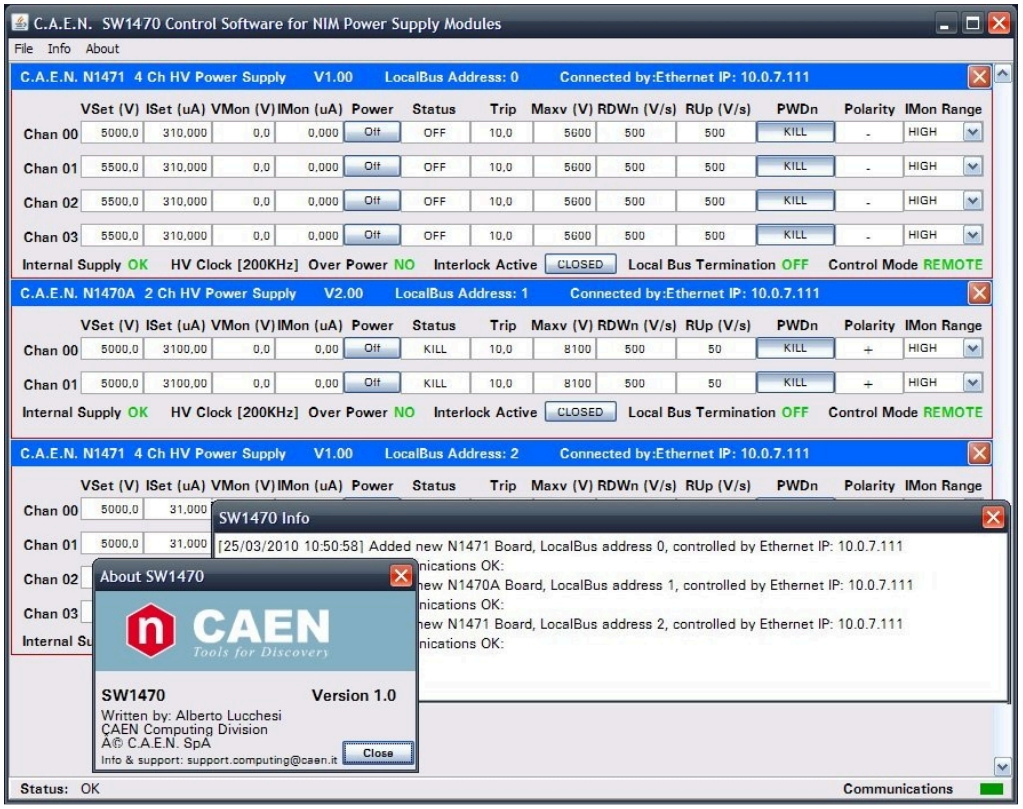
SW1470

Control Software for NIM Power Supply Modules



Features



- Java Program
- Supports Linux and Windows
- Up to 128 power supply channels easily managed
- USB or Ethernet (using the CAEN NIM8301 Crate) connection
- USB 2.0 Connection available on the N14xx front panel & Ethernet connection by the CAEN NIM8301 Crate Smart Fan Tray

Description

N14xx NIM Power Supply Modules control can be performed remotely, via **USB** or **RS485**; the latter allows to build a N14XXs' daisy chain network, with the first module connected to the PC USB port and the subsequent ones daisy chained via RS485. It is therefore possible to build a daisy chain of up to **32 N14xx's (up to 128 channels)**.
The **CAEN NIM8301** Crate allows also to communicate with the first module in the chain also via Ethernet.

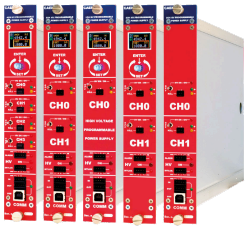
SW1470 Control Software is a Java Program supporting Linux and Windows that allows a complete and friendly management of the N14XX network.

Drivers and Lib required
The USB connection (via Terminal emulator or via SW1470) requires driver of the N14xx USB chip controller (**FT232BM** - USB to serial UART interface) available at **http://www.ftdichip.com/FTDrivers.htm.** Since Java language does not provide a native support for the serial ports, a third-part library, the **RXTX library**, must be used for that purpose.

For more information about RXTX Library and USB driver click **here**

Related Products

N1470

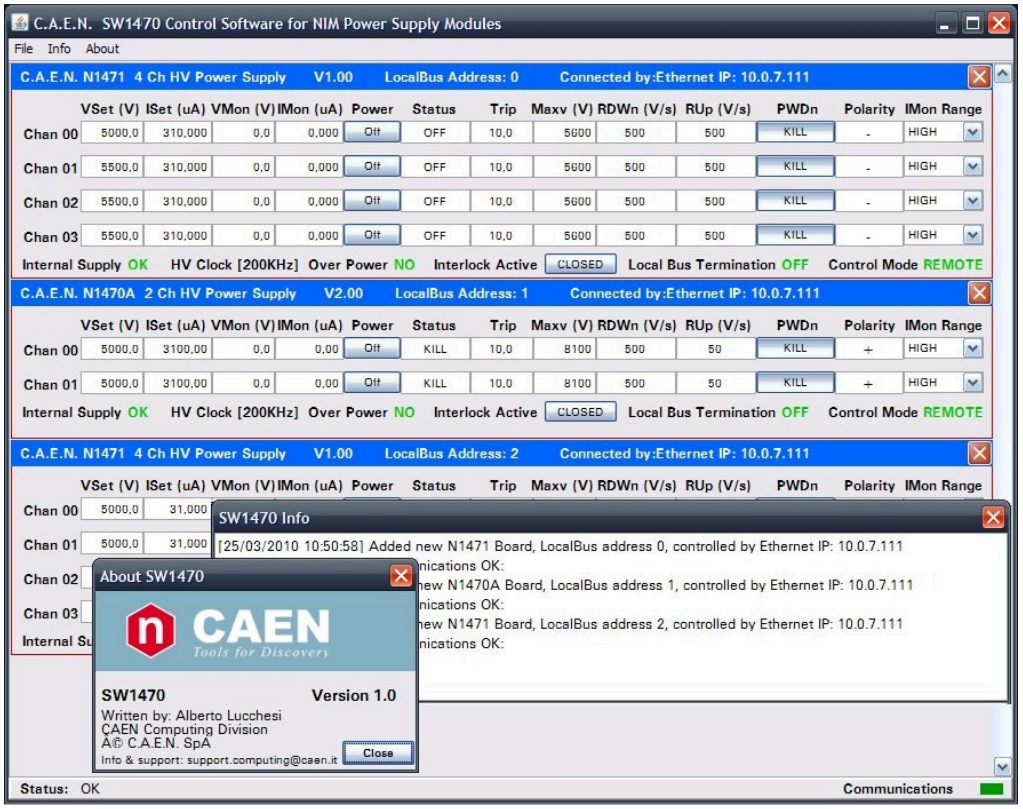


4 Ch Reversible 8 kV/3 mA (8 W) NIM HV Power Supply Module (USB)

N1471

4 Ch Reversible 5.5 kV/300 µA NIM HV Power Supply Module (USB)

Gallery


C.A.E.N. SW1470 Control Software for NIM Power Supply Modules
File Info About
C.A.E.N. N1471 4 Ch HV Power Supply V1.00 LocalBus Address: 0 Connected by:Ethernet IP: 10.0.7.111
VSet (V) ISet (uA) VMon (V) IMon (uA) Power Status Trip Maxv (V) RDWn (V/s) RUp (V/s) PWDn Polarity IMon Range
Chan 00 5000,0 310,000 0,0 0,000 Off OFF 10,0 5600 500 500 KILL - HIGH
Chan 01 5500,0 310,000 0,0 0,000 Off OFF 10,0 5600 500 500 KILL - HIGH
Chan 02 5500,0 310,000 0,0 0,000 Off OFF 10,0 5600 500 500 KILL - HIGH
Chan 03 5500,0 310,000 0,0 0,000 Off OFF 10,0 5600 500 500 KILL - HIGH
Internal Supply OK HV Clock [200KHz] Over Power NO Interlock Active CLOSED Local Bus Termination OFF Control Mode REMOTE
C.A.E.N. N1470A 2 Ch HV Power Supply V2.00 LocalBus Address: 1 Connected by:Ethernet IP: 10.0.7.111
VSet (V) ISet (uA) VMon (V) IMon (uA) Power Status Trip Maxv (V) RDWn (V/s) RUp (V/s) PWDn Polarity IMon Range
Chan 00 5000,0 3100,00 0,0 0,00 Off KILL 10,0 8100 500 50 KILL + HIGH
Chan 01 5000,0 3100,00 0,0 0,00 Off KILL 10,0 8100 500 50 KILL + HIGH
Internal Supply OK HV Clock [200KHz] Over Power NO Interlock Active CLOSED Local Bus Termination OFF Control Mode REMOTE
C.A.E.N. N1471 4 Ch HV Power Supply V1.00 LocalBus Address: 2 Connected by:Ethernet IP: 10.0.7.111
VSet (V) ISet (uA) VMon (V) IMon (uA) Power Status Trip Maxv (V) RDWn (V/s) RUp (V/s) PWDn Polarity IMon Range
Chan 00 5000,0 31,000
Chan 01 5000,0 31,000
Chan 02
Chan 03
Internal Su
SW1470 Info
[25/03/2010 10:50:58] Added new N1471 Board, LocalBus address 0, controlled by Ethernet IP: 10.0.7.111
nications OK:
new N1470A Board, LocalBus address 1, controlled by Ethernet IP: 10.0.7.111
nications OK:
new N1471 Board, LocalBus address 2, controlled by Ethernet IP: 10.0.7.111
nications OK:
About SW1470
CAEN
Tools for Discovery
SW1470 Version 1.0
Written by: Alberto Lucchesi
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Status: OK
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