libLDA(3)

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$ groff -man -Tascii libLDA.3 | col -b > manual.txt


LIBLDA(3)  libLDA Manual      LIBLDA(3)



NAME
       LibLDA - slow control and acquisition layer for Calice's LDA

SYNOPSIS
       #include "libLDA.hh"

       src/run/dump [-h] [OPTIONS] CONFIG
       src/run/ping [-h] [OPTIONS] CONFIG
       src/run/fifo [-h] [OPTIONS] CONFIG
       src/run/rng [-h] [OPTIONS] CONFIG
       src/run/config [-h] [OPTIONS] CONFIG
       src/run/driver [-h] [OPTIONS] CONFIG
       exemple [-h] [OPTIONS] CONFIG
       tools/utDevice [-h] [OPTIONS] CONFIG
       tools/utDaq [-h] [OPTIONS]


DESCRIPTION
       libLDA  is  a  library that drive the LDA Calice's devices. The library
       provides non-regression tests as dump, ping, fifo,  config  and driver
       and  exemples  executables  as exemple but also utDevice and utDaq that
       extend the purpose of this library in order  to drive  a  full Calice
       bench test.


OPTIONS
       The following options are supported:

       -c , --conf-source
      Specify  the  way to load configuration (default is file), among
      file, static and db.

       -p , --eth-port
      Override the ethernet port on the host specified in  configura-
      tion (eth0, ...)

       -a , --lda-address
      Override the  ethernet mac address specified in the config file
      (in aa:bb:cc:dd:ee:ff format)

       -v , --debug-print
      Set logging level (default: INFO) among: DEBUG,  INFO,  WARNING,
      ERROR, NONE

       -f , --syslog
      Use syslog instead of the standard output for log messages

       -n , --no-reinit
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       Do not reinitialize LDA, DCC and DIF hardware.

        -s , --single
       Do not enter into infinite loop but do the job only once.

        -m , --mode
       Set the mode (default: 8) among: 8 (ilc-manual), 0 (ilc-auto) or
       4 (beam-test) Note: today only the beam-test is functional

        -o , --time-out
       Set the read-out trigger timeout (unit is microsecond)

        -i , --pcap-buffsize
       Set PCAP input buffer size (unit is 1Ko packet)

        -t , --trig-buffsize
       Set the read-out trigger buffer size (unit is 1 trigger)

        -d , --data-buffsize
       Set the read-out data buffer size (unit is 2 bytes)
       Note: beware that data buffer size is at less equal to the  size
       of maximum event size.

        -S , --freq-slc
       Set slow control frequency (unit is Hertz)
       Note: this thread is not included into the libLDA.

        -T , --freq-slc
       Set trigger frequency (unit is Hertz)
       Note: this thread, not included in the libLDA, only run in the 8
       (ilc-manual) mode.

        -U , --freq-usr
       Set user read out frequency (unit is Hertz)
       Note: this thread is not included into the libLDA.

        -h, --help
       Print a short help text describing  the  supported  command-line
       options, and then exit.

FILES
        data/dif-X-Y.txt
       use by exemple to write output data

        data/EE:FF:X.Y.txt
       used by utDevice and utDaqP to write the output data


REPORTING BUGS
        Please send a report to nicolas.roche@llr.in2p3.fr

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LICENCE
        This  software is released under the GNU General Public License. Please
        read the COPYING file for more information.
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SEE ALSO

The full documentation for libLDA is maintained as a Latex2Html intranet. If a browser is installed at your site, the URL <http://polype/~roche/calicei/> should give you access to the complete manual.

libLDA(5), calDump(1), pcat(1)

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