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
```

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

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)