Rocky Enterprise Linux 9.2 Manual Pages on command 'sane-st400.5'

$ man sane-st400.5

sane-st400(5)   SANE Scanner Access Now Easy   sane-st400(5)

NAME

   sane-st400 - SANE backend for Siemens ST/Highscan flatbed scanners

DESCRIPTION

   The sane-st400 library implements a SANE (Scanner Access Now Easy) backend that provides

   access to Siemens ST400 flatbed scanners and compatibles. At present, the following scan?

   ners are supported by this backend:

      Siemens ST400 (6 bit gray scale)

      Siemens ST800 (6 bit gray scale)

   The driver supports line art and gray scans up to 8bpp.

   The Siemens ST/Highscan series includes several more models, e.g. the ST300 and ST600. If

   you own one of these scanners, or a scanner other than the ones listed above that works

   with this backend, please let us know by sending the scanner's model name, SCSI ID, and

   firmware   revision   to   sane-devel@alioth-lists.debian.net.   Have   a   look   at

   http://www.sane-project.org/mailing-lists.html concerning subscription to sane-devel.

DEVICE NAMES

   This backend expects device names of the form:

special

Where special is the path-name for the special device that corresponds to a SCSI scanner.
For SCSI scanners, the special device name must be a generic SCSI device or a symlink to
such a device. Under Linux, such a device name could be /dev/sga or /dev/sge, for exam?
ple. See sane-scsi(5) for details.

CONFIGURATION

The contents of the st400.conf file is a list of device names that correspond to Siemens
scanners. Empty lines and lines starting with a hash mark (#) are ignored. A sample con?
figuration file is shown below:

    /dev/scanner
    # this is a comment
    /dev/sge

The default configuration file that is distributed with SANE looks like this:

    scsi SIEMENS "ST 400" Scanner * * 3 0

In this configuration, the driver can only access the ST400 model at SCSI ID 3 LUN 0 (see
section BUGS below for the reason). To use the driver with other scanner models, add an
appropriate line to the configuration file. For example, to use it with an ST800 at SCSI
ID 3 LUN 0, add the line:

    scsi SIEMENS "ST 800" Scanner * * 3 0

FILES

/etc/sane.d/st400.conf

The backend configuration file (see also description of SANE_CONFIG_DIR below).

/usr/lib/x86_64-linux-gnu/sane/libsane-st400.a

The static library implementing this backend.

/usr/lib/x86_64-linux-gnu/sane/libsane-st400.so

The shared library implementing this backend (present on systems that support dy?namic loading).

ENVIRONMENT

SANE_CONFIG_DIR

This environment variable specifies the list of directories that may contain the configuration file. On *NIX systems, the directories are separated by a colon (`:'), under OS/2, they are separated by a semi-colon (`;'). If this variable is not set, the configuration file is searched in two default directories: first, the current working directory (".") and then in /etc/sane.d. If the value of the envi?ronment variable ends with the directory separator character, then the default di?rectories are searched after the explicitly specified directories. For example, setting SANE_CONFIG_DIR to "/tmp/config:" would result in directories tmp/config, ., and /etc/sane.d being searched (in this order).

SANE_DEBUG_ST400

If the library was compiled with debug support enabled, this environment variable controls the debug level for this backend. E.g., a value of 128 requests all debug output to be printed. Smaller levels reduce verbosity.

MISSING FUNCTIONALITY

Everything but the most basic stuff.

BUGS

Currently, the backend does not check if the attached device really is a ST400. It will happily accept everything that matches the configuration entries. This makes it easy to test the backend with other scanners: Just add an appropriate line to the configuration file. The configuration file as distributed (see above) only works with the ST400. Be careful: If there is no config file at all, the backend defaults to /dev/scanner.

The ST400 answers on all eight SCSI LUNs. Normally this is not a problem, as LUN support is usually disabled in SCSI drivers, but if you are seeing multiple instances of the scan‐ner in a device list, either disable LUNs in your SCSI setup or change the entry in the configuration file to match LUN 0 only.

DEBUG

If you encounter a bug please set the environment variable SANE_DEBUG_ST400 to 128 and try to regenerate the problem. Then send me a report with the log attached.

If you encounter a SCSI bus error or trimmed and/or displaced images please also set the environment variable SANE_DEBUG_SANEI_SCSI to 128 before sending me the report.

SEE ALSO

sane(7), sane-scsi(5)

http://www.informatik.uni-oldenburg.de/~ingo/sane/

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