Component description

This component is a common utility component. This creates a wrapper to a TTY process. The TTY process aims to provide a serial terminal to the user. Output will always be logged to a file named after the term's name.

There are 4 TTY backends:

- wrapped Xterm
- wrapped xtty (an ad-hoc terminal)
- file (write only)
- stdout (write only, stdout is shared with the simulator's messages)

Component usage

Object

```
soclib::common::TtyWrapper *tty;
```

Instanciation

You should use `soclib::common::allocateTty` to allocate a new TTY.

TtyWrapper honors `$SOCLIB_TTY` environment variable. Possible values are:

- XTERM: use Xterm
- XTTY: use xtty
- TERM: log on stdout
- FILES: only log to a file
- PTS: open the master side of a pseudo-terminal. The slave PTY name will be advertized for on the console.

Default value is XTERM, if `$DISPLAY` is not set (ie there is no X server available), TERM is used as a fallback.

```
soclib::common::TtyWrapper *my_tty = soclib::common::allocateTty( "my_tty_name" );
```

Usage

```
soclib::common::TtyWrapper *my_tty = soclib::common::allocateTty( "my_tty_name" );
char got_char;

my_tty->putc('a')

if ( my_tty->has_data() )
    got_char = my_tty->getc();
```