

```
1: /*
2:  libxbee - a C library to aid the use of Digi's Series 1 XBee modules
3:  running in API mode (AP=2).
4:
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18: along with this program. If not, see <http://www.gnu.org/licenses/>.
19: */
20:
21: /* this file contains code that is used by Linux ONLY */
22: #ifndef __GNUC__
23: #error "This file should only be used on a Linux system"
24: #endif
25:
26: /* ##### */
27: /* ### Linux Code ##### */
28: /* ##### */
29:
30: #define xbee_thread_create(a,b,c) pthread_create(&(a),NULL,(void *(*)(void *))(b),(void *) (c))
31: #define xbee_thread_cancel(a,b) pthread_cancel((a))
32: #define xbee_thread_join(a) pthread_join((a),NULL)
33: #define xbee_thread_tryjoin(a) pthread_tryjoin_np((a),NULL)
34:
35: #define xbee_mutex_init(a) pthread_mutex_init(&(a),NULL)
36: #define xbee_mutex_destroy(a) pthread_mutex_destroy(&(a))
37: #define xbee_mutex_lock(a) pthread_mutex_lock(&(a))
38: #define xbee_mutex_trylock(a) pthread_mutex_trylock(&(a))
39: #define xbee_mutex_unlock(a) pthread_mutex_unlock(&(a))
40:
41: #define xbee_sem_init(a) sem_init(&(a),0,0)
42: #define xbee_sem_destroy(a) sem_destroy(&(a))
43: #define xbee_sem_wait(a) sem_wait(&(a))
44: #define xbee_sem_post(a) sem_post(&(a))
45:
46: #define xbee_cond_init(a) pthread_cond_init(&(a),NULL)
47: #define xbee_cond_destroy(a) pthread_cond_destroy(&(a))
48: #define xbee_cond_wait(a,b) pthread_cond_wait(&(a),&(b))
49: #define xbee_cond_signal(a) pthread_cond_signal(&(a))
50: #define xbee_cond_broadcast(a) pthread_cond_broadcast(&(a))
51:
52: #define xbee_write(xbee,a,b) fwrite((a),1,(b),(xbee)->tty)
53: #define xbee_read(xbee,a,b) fread((a),1,(b),(xbee)->tty)
54: #define xbee_ferror(xbee) ferror((xbee)->tty)
55: #define xbee_feof(xbee) feof((xbee)->tty)
56: #define xbee_close(a) fclose(a)
57:
```