```
libxbee - a C library to aid the use of Digi's Series 1 XBee modules
 2:
 3:
                  running in API mode (AP=2).
 4:
 5:
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19: */
20:
21: #include <stdio.h>
22: #include <stdlib.h>
23:
24: #include <stdarg.h>
25:
26: #include <string.h>
27: #include <fcntl.h>
28: #include <errno.h>
29: #include <signal.h>
30:
31: /* ############### */
32: #ifdef __GNUC__ /* ---- */
33:
34: #include <unistd.h>
35: #include <termios.h>
36: #include <pthread.h>
37: #include <sys/time.h>
38:
39: #define xbee_thread_create(a,b,c) pthread_create(&(a),NULL,(void *(*)(void *))(b),(void *)&(c))
40: #define xbee_thread_kill(a,b)
                                      pthread_kill((a),(b))
41:
42: #define xbee_mutex_init(a)
                                       pthread_mutex_init(&(a),NULL)
43: #define xbee_mutex_destroy(a)
                                     pthread_mutex_destroy(&(a))
44: #define xbee_mutex_lock(a)
                                       pthread_mutex_lock(&(a))
45: #define xbee_mutex_unlock(a)
                                      pthread_mutex_unlock(&(a))
46:
47: #define xbee_write(a,b)
                                       fwrite((a),1,(b),xbee.tty)
48: #define xbee_read(a,b)
                                      fread((a),1,(b),xbee.tty)
49:
50: /* ############## */
51: #else
52:
53: #include <Windows.h>
54: #include <io.h>
55: #include <time.h>
56:
57: /* this uses miliseconds not microseconds... */
58: #define usleep(a)
                                      Sleep((a)/1000)
59:
60: #define xbee_thread_create(a,b,c) (((a) = CreateThread(NULL,0,(void *)(b),(void *)&(c),0,NULL)) == NULL)
61: #define xbee_thread_kill(a,b)
                                      TerminateThread((a),(b))
62:
63: #define xbee_mutex_init(a)
                                       (((a) = CreateSemaphore(NULL, 1, 1, NULL)) == NULL)
64: #define xbee_mutex_destroy(a)
                                       CloseHandle((a))
65: #define xbee_mutex_lock(a)
                                      WaitForSingleObject((a),INFINITE)
66: #define xbee_mutex_unlock(a)
                                      ReleaseSemaphore((a),1,NULL)
67:
68: /* ############# */
69: #endif
70:
71: #include "xbee.h"
72:
```