NAME

getc_unlocked, getchar_unlocked, putc_unlocked, putchar_unlocked − nonlocking stdio functions

SYNOPSIS

```
#include <stdio.h>

int getc_unlocked(FILE *stream);
int getchar_unlocked(void);
int putc_unlocked(int c, FILE *stream);
int putchar_unlocked(int c);

void clearerr_unlocked(FILE *stream);
int feof_unlocked(FILE *stream);
int ferror_unlocked(FILE *stream);
int fileno_unlocked(FILE *stream);
int fflush_unlocked(FILE *stream);
int fgetc_unlocked(FILE *stream);
int fputc_unlocked(int c, FILE *stream);
size_t fread_unlocked(void *ptr, size_t size, size_t n,
                      FILE *stream);
size_t fwrite_unlocked(const void *ptr, size_t size, size_t n,
                       FILE *stream);

char *fgets_unlocked(char *s, int n, FILE *stream);
int fputs_unlocked(const char *s, FILE *stream);


#include <wchar.h>

wint_t getwc_unlocked(FILE *stream);
wint_t getwchar_unlocked(void);
wint_t fgetwc_unlocked(FILE *stream);
wint_t fputwc_unlocked(wchar_t wc, FILE *stream);
wint_t putwc_unlocked(wchar_t wc, FILE *stream);
wint_t putwchar_unlocked(wchar_t wc);
wchar_t *fgetws_unlocked(wchar_t *ws, int n, FILE *stream);
int fputws_unlocked(const wchar_t *ws, FILE *stream);
```

Feature Test Macro Requirements for glibc (see **feature_test_macros**(7)):

getc_unlocked(), **getchar_unlocked**(), **putc_unlocked**(), **putchar_unlocked**():

```
/* Since glibc 2.24: */ _POSIX_C_SOURCE >= 199309L
  || /* Glibc versions <= 2.23: */ _POSIX_C_SOURCE
  || /* Glibc versions <= 2.19: */ _SVID_SOURCE || _BSD_SOURCE
```

clearerr_unlocked(), **feof_unlocked**(), **ferror_unlocked**(), **fileno_unlocked**(), **fflush_unlocked**(), **fgetc_unlocked**(), **fputc_unlocked**(), **fread_unlocked**(), **fwrite_unlocked**():

```
/* Glibc since 2.19: */ _DEFAULT_SOURCE
  || /* Glibc versions <= 2.19: */ _SVID_SOURCE || _BSD_SOURCE
```

fgets_unlocked(), **fputs_unlocked**(), **getwc_unlocked**(), **getwchar_unlocked**(), **fgetwc_unlocked**(), **fputwc_unlocked**(), **putwchar_unlocked**(), **fgetws_unlocked**(), **fputws_unlocked**():

```
_GNU_SOURCE
```

DESCRIPTION

Each of these functions has the same behavior as its counterpart without the "_unlocked" suffix, except that they do not use locking (they do not set locks themselves, and do not test for the presence of locks set by others) and hence are thread-unsafe. See **flockfile**(3).

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
getc_unlocked(), **putc_unlocked**(), **clearerr_unlocked**(), **fflush_unlocked**(), **fgetc_unlocked**(), **fputc_unlocked**(), **fread_unlocked**(), **fwrite_unlocked**(), **fgets_unlocked**(), **fputs_unlocked**(), **getwc_unlocked**(), **fgetwc_unlocked**(), **fputwc_unlocked**(), **putwc_unlocked**(), **fgetws_unlocked**(), **fputws_unlocked**()	Thread safety	MT-Safe race:stream
getchar_unlocked(), **getwchar_unlocked**()	Thread safety	MT-Unsafe race:stdin
putchar_unlocked(), **putwchar_unlocked**()	Thread safety	MT-Unsafe race:stdout
feof_unlocked(), **ferror_unlocked**(), **fileno_unlocked**()	Thread safety	MT-Safe

CONFORMING TO

The four functions **getc_unlocked**(), **getchar_unlocked**(), **putc_unlocked**(), **putchar_unlocked**() are in POSIX.1-2001 and POSIX.1-2008.

The nonstandard ***_unlocked**() variants occur on a few UNIX systems, and are available in recent glibc. They should probably not be used.

SEE ALSO

flockfile(3), **stdio**(3)

COLOPHON

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