



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'fgetc\_unlocked.3'***

**C:\>man fgetc\_unlocked.3**

UNLOCKED\_STDIO(3)                      Linux Programmer's Manual                      UNLOCKED\_STDIO(3)

### 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_un?

locked():

/* 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 "\_un? locked" 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).

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?Interface      ? Attribute    ? Value            ?

??

?getc\_unlocked(), ? Thread safety ? MT-Safe race:stream ?

?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() ? ? ?

??

?getchar\_unlocked(), ? Thread safety ? MT-Unsafe race:stdin ?

?getwchar\_unlocked() ? ? ?

??

?putchar\_unlocked(), ? Thread safety ? MT-Unsafe race:stdout ?

?putwchar\_unlocked() ? ? ?

??

?feof\_unlocked(), ? Thread safety ? MT-Safe ?

?ferror\_unlocked(), ? ? ?

?fileno\_unlocked() ? ? ?

??

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 avail?  
able in recent glibc. They should probably not be used.

## SEE ALSO

flockfile(3), stdio(3)

## COLOPHON

This page is part of release 5.05 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

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UNLOCKED\_STDIO(3)