



**Full credit is given to the above companies including the Operating System (OS) that this PDF file was generated!**

***Rocky Enterprise Linux 9.2 Manual Pages on command 'unlocked\_stdio.3'***

**\$ man unlocked\_stdio.3**

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

NAME

getc\_unlocked, getchar\_unlocked, putchar\_unlocked - nonlocking stdio func?

tions

SYNOPSIS

```
#include <stdio.h>

int getc_unlocked(FILE *stream);

int getchar_unlocked(void);

int putchar_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_un?
locked(), 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_un?
locked(), 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 flock(2) and flockfile(3).

## ATTRIBUTES

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

??

|            |   |           |   |       |   |
|------------|---|-----------|---|-------|---|
| ?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 available in recent glibc. They should probably not be used.

SEE ALSO

`flockfile(3)`, `stdio(3)`

COLOPHON

This page is part of release 5.10 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/>.

2017-09-15

UNLOCKED\_STDIO(3)