



Rocky Enterprise Linux 9.2 Manual Pages on command 'getchar_unlocked.3'

\$ man getchar_unlocked.3

UNLOCKED_STDIO(3) Linux Programmer's Manual UNLOCKED_STDIO(3)

NAME

getc_unlocked, getchar_unlocked, putc_unlocked, putchar_unlocked - non?

locking 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_un?
locked():

```

```

/* 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_un?
locked(), 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_un?
locked(), fgetwc_unlocked(), fputwc_unlocked(), putwchar_unlocked(),
fgetws_unlocked(), fputws_unlocked():

_GNU_SOURCE

```

DESCRIPTION

Each of these functions has the same behavior as its counterpart with? out 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 at?

tributes(7).

??

?Interface	? Attribute	? Value	?
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??

?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()	?	?	?
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??

?getchar_unlocked(),	? Thread safety	? MT-Unsafe race:stdin	?
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?getwchar_unlocked()	?	?	?
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??

?putchar_unlocked(),	? Thread safety	? MT-Unsafe race:stdout	?
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?putwchar_unlocked()	?	?	?
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??

?feof_unlocked(),	? Thread safety	? MT-Safe	?
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?ferror_unlocked(),	?	?	?
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?fileno_unlocked()	?	?	?
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??

CONFORMING TO

The four functions `getc_unlocked()`, `getchar_unlocked()`, `putc_un?locked()`, `putchar_unlocked()` are in POSIX.1-2001 and POSIX.1-2008. The nonstandard `*_unlocke`d() 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)