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

\$ man getchar_unlocked.3

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

NAME

getc_unlocked, getchar_unlocked, putc_unlocked, putchar_unlocked - nonlocking stdio func-
tions

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_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 "_unlocke" 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(3).

ATTRIBUTES

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

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?Interface	? Attribute	? Value	?
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?getc_unlocked(),	? Thread safety	? MT-Safe race:stream	?
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?putc_unlocked(),	?	?	?
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?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/>.

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UNLOCKED_STDIO(3)