



Linux Ubuntu 26.04 Manual Pages on command 'fgetc_unlocked.3'

\$ man fgetc_unlocked.3

unlocked_stdio(3) Library Functions Manual unlocked_stdio(3)

NAME

getc_unlocked, getchar_unlocked, putc_unlocked, putchar_unlocked - nonlocking stdio functions

LIBRARY

Standard C library (libc, -lc)

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 *_Nullable stream);
int fgetc_unlocked(FILE *stream);
int fputc_unlocked(int c, FILE *stream);
size_t fread_unlocked(size_t size, size_t n;
                      void ptr[restrict size * n],
                      size_t size, size_t n,
                      FILE *restrict stream);
```

```

size_t fwrite_unlocked(size_t size, size_t n;
                        const void ptr[restrict size * n],
                        size_t size, size_t n,
                        FILE *restrict stream);

char *fgets_unlocked(int n;
                     char s[restrict n], int n, FILE *restrict stream);

int fputs_unlocked(const char *restrict s, FILE *restrict 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(int n;
                          wchar_t ws[restrict n], int n,
                          FILE *restrict stream);
int fputws_unlocked(const wchar_t *restrict ws,
                    FILE *restrict stream);

```

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

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

```

/* glibc >= 2.24: */ _POSIX_C_SOURCE >= 199309L
|| /* glibc <= 2.23: */ _POSIX_C_SOURCE
|| /* glibc <= 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 >= 2.19: */ _DEFAULT_SOURCE
|| /* glibc <= 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

```

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? file(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(),	?	?	?
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?fflush_unlocked(),	?	?	?
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?fgetc_unlocked(),	?	?	?
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?fputc_unlocked(),	?	?	?
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?fread_unlocked(),	?	?	?
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?fwrite_unlocked(),	?	?	?
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?fgets_unlocked(),	?	?	?
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?fputs_unlocked(),	?	?	?
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?getwc_unlocked(),	?	?	?
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?fgetwc_unlocked(),	?	?	?
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?fputwc_unlocked(),	?	?	?
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?putwc_unlocked(),	?	?	?
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?fgetws_unlocked(),	?	?	?
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?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(), ? ?

? fileno_unlocked() ? ?

??

STANDARDS

getc_unlocked()

getchar_unlocked()

putc_unlocked()

putchar_unlocked()

POSIX.1-2008.

Others:

None.

HISTORY

getc_unlocked()

getchar_unlocked()

putc_unlocked()

putchar_unlocked()

POSIX.1-2001.

SEE ALSO

flockfile(3), stdio(3)

Linux man-pages 6.17

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