

NAME

strnlen - determine the length of a fixed-size string

SYNOPSIS

```
#include <string.h>
```

```
size_t strnlen(const char *s, size_t maxlen);
```

Feature Test Macro Requirements for glibc (see [feature_test_macros\(7\)](#)):

strnlen():

Since glibc 2.10:

```
_POSIX_C_SOURCE >= 200809L
```

Before glibc 2.10:

```
_GNU_SOURCE
```

DESCRIPTION

The **strnlen()** function returns the number of characters in the string pointed to by *s*, excluding the terminating null byte (`'\0'`), but at most *maxlen*. In doing this, **strnlen()** looks only at the first *maxlen* characters in the string pointed to by *s* and never beyond *s+maxlen*.

RETURN VALUE

The **strnlen()** function returns *strlen(s)*, if that is less than *maxlen*, or *maxlen* if there is no null terminating (`'\0'`) among the first *maxlen* characters pointed to by *s*.

ATTRIBUTES

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

Interface	Attribute	Value
strnlen()	Thread safety	MT-Safe

CONFORMING TO

POSIX.1-2008.

SEE ALSO

[strlen\(3\)](#)

COLOPHON

This page is part of release 4.10 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/>.