



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'strnlen.3'***

**C:\>man strnlen.3**

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

### 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 bytes 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).

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?Interface ? Attribute ? Value ?

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?strlen() ? Thread safety ? MT-Safe ?

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CONFORMING TO

POSIX.1-2008.

SEE ALSO

strlen(3)

COLOPHON

This page is part of release 5.05 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/>.