

NAME

wcsnlen – determine the length of a fixed-size wide-character string

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#include <wchar.h>
```

```
size_t wcsnlen(const wchar_t s[.maxlen], size_t maxlen);
```

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

wcsnlen():

Since glibc 2.10:

```
_POSIX_C_SOURCE >= 200809L
```

Before glibc 2.10:

```
_GNU_SOURCE
```

DESCRIPTION

The **wcsnlen()** function is the wide-character equivalent of the **strnlen(3)** function. It returns the number of wide-characters in the string pointed to by *s*, not including the terminating null wide character (L'\0'), but at most *maxlen* wide characters (note: this parameter is not a byte count). In doing this, **wcsnlen()** looks at only the first *maxlen* wide characters at *s* and never beyond *s[maxlen-1]*.

RETURN VALUE

The **wcsnlen()** function returns *wcslen(s)*, if that is less than *maxlen*, or *maxlen* if there is no null wide character among the first *maxlen* wide characters pointed to by *s*.

VERSIONS

The **wcsnlen()** function is provided since glibc 2.1.

ATTRIBUTES

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

Interface	Attribute	Value
wcsnlen()	Thread safety	MT-Safe

STANDARDS

POSIX.1-2008.

SEE ALSO

strnlen(3), **wcslen(3)**