

**NAME**

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

**SYNOPSIS**

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

```
size_t wcsnlen(const wchar_t *s, 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 **strlen(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*.

**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 in glibc since version 2.1.

**ATTRIBUTES**

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

Interface	Attribute	Value
<b>wcsnlen()</b>	Thread safety	MT-Safe

**CONFORMING TO**

POSIX.1-2008.

**SEE ALSO**

**strlen(3)**, **wcslen(3)**

**COLOPHON**

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