

**NAME**

`getpt` – open the pseudoterminal master (PTM)

**SYNOPSIS**

```
#define _GNU_SOURCE      /* See feature_test_macros(7) */
#include <stdlib.h>

int getpt(void);
```

**DESCRIPTION**

`getpt()` opens a pseudoterminal master and returns its file descriptor. It is equivalent to

```
open ("/dev/ptmx", O_RDWR);
```

on Linux systems, though the pseudoterminal master is located elsewhere on some systems that use GNU Libc.

**RETURN VALUE**

`getpt()` returns an open file descriptor upon successful completion. Otherwise, it returns `-1` and sets *errno* to indicate the error.

**ERRORS**

`getpt()` can fail with various errors described in `open(2)`.

**VERSIONS**

`getpt()` 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
<code>getpt()</code>	Thread safety	MT-Safe

**CONFORMING TO**

`getpt()` is glibc-specific; use `posix_openpt(3)` instead.

**SEE ALSO**

`grantpt(3)`, `posix_openpt(3)`, `ptsname(3)`, `unlockpt(3)`, `ptmx(4)`, `pty(7)`

**COLOPHON**

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