



Linux Ubuntu 26.04 Manual Pages on command 'timegm.3'

\$ man timegm.3

timegm(3) Library Functions Manual timegm(3)

NAME

timegm, timelocal - inverses of gmtime and localtime

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <time.h>
```

```
[[deprecated]] time_t timelocal(struct tm *tm);
```

```
time_t timegm(struct tm *tm);
```

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

timelocal(), timegm():

Since glibc 2.19:

```
_DEFAULT_SOURCE
```

glibc 2.19 and earlier:

```
_BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

The functions `timelocal()` and `timegm()` are the inverses of `localtime(3)` and `gmtime(3)`. Both functions take a broken-down time and convert it to calendar time (seconds since the Epoch, 1970-01-01 00:00:00 +0000, UTC). The difference between the two functions is that `timelocal()` takes the local timezone into account when doing the conversion, while `timegm()` takes the input value to be Coordinated Universal Time (UTC).

RETURN VALUE

On success, these functions return the calendar time (seconds since the Epoch), expressed as

cate the error.