



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

\$ man timelocal.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.