

NVRAM_I386

The NVRAM_I386 module is a shared library providing access to the non-volatile RAM and time-of-day real-time clock on a standard PC architecture chipset.

Module Options

NVRAM_RTC_ENABLED This option should normally be defined when the module is included in a project. It enables the time-of-day routines in the C runtime library to be activated.

Shared Library Macros and Routines

nvrday, ***nvrhour***, ***nvrminute***, ***nvrmonth***, ***nvrsecond***, ***nvryear***

int *nvrxxx*(**void**)

These routines return the current day-of-the-month, hour-of-the-day, minute-of-the-hour, month-of-the-year, second-of-the-minute and (two-digit) year of the century respectively.

nvrsettime

void *nvrsettime*(
 uchar *y*,
 uchar *m*,
 uchar *d*,
 uchar *h*,
 uchar *mm*,
 uchar *s*)

The *nvrsettime* routine sets the values for the year, month, day, hour, minute and second from the supplied values.

rtc_gettime

int *rtc_gettime*(
 struct tm **tp*)

The *rtc_gettime* routine returns the *tp* structure initialised from the current time-of-day values in the non-volatile RAM.