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#include <ESP32Time.h>

//ESP32Time rtc;

ESP32Time rtc(3600); // offset in seconds GMT+1

void setup() {

Serial.begin(115200);

rtc.setTime(30, 24, 15, 17, 1, 2021); // 17th Jan 2021 15:24:30

rtc.setTime(1609459200); // 1st Jan 2021 00:00:00

//rtc.offset = 7200; // change offset value

/\*---------set with NTP---------------\*/

// configTime(gmtOffset\_sec, daylightOffset\_sec, ntpServer);

// struct tm timeinfo;

// if (getLocalTime(&timeinfo)){

// rtc.setTimeStruct(timeinfo);

// }

}

void loop() {

// Serial.println(rtc.getTime()); // (String) 15:24:38

// Serial.println(rtc.getDate()); // (String) Sun, Jan 17 2021

// Serial.println(rtc.getDate(true)); // (String) Sunday, January 17 2021

// Serial.println(rtc.getDateTime()); // (String) Sun, Jan 17 2021 15:24:38

// Serial.println(rtc.getDateTime(true)); // (String) Sunday, January 17 2021 15:24:38

// Serial.println(rtc.getTimeDate()); // (String) 15:24:38 Sun, Jan 17 2021

// Serial.println(rtc.getTimeDate(true)); // (String) 15:24:38 Sunday, January 17 2021

//

// Serial.println(rtc.getMicros()); // (long) 723546

// Serial.println(rtc.getMillis()); // (long) 723

// Serial.println(rtc.getEpoch()); // (long) 1609459200

// Serial.println(rtc.getSecond()); // (int) 38 (0-59)

// Serial.println(rtc.getMinute()); // (int) 24 (0-59)

// Serial.println(rtc.getHour()); // (int) 3 (1-12)

// Serial.println(rtc.getHour(true)); // (int) 15 (0-23)

// Serial.println(rtc.getAmPm()); // (String) pm

// Serial.println(rtc.getAmPm(true)); // (String) PM

// Serial.println(rtc.getDay()); // (int) 17 (1-31)

// Serial.println(rtc.getDayofWeek()); // (int) 0 (0-6)

// Serial.println(rtc.getDayofYear()); // (int) 16 (0-365)

// Serial.println(rtc.getMonth()); // (int) 0 (0-11)

// Serial.println(rtc.getYear()); // (int) 2021

// Serial.println(rtc.getLocalEpoch()); // (long) 1609459200 epoch without offset

Serial.println(rtc.getTime("%A, %B %d %Y %H:%M:%S")); // (String) returns time with specified format

// formating options http://www.cplusplus.com/reference/ctime/strftime/

struct tm timeinfo = rtc.getTimeStruct();

//Serial.println(&timeinfo, "%A, %B %d %Y %H:%M:%S"); // (tm struct) Sunday, January 17 2021 07:24:38

delay(1000);

}