I would really be grateful if you start to build the project, that you go to Gitnub and say hi.
billbill100/Weather-Clock: Arduino ESP Weather Clock. Takes time and local weather data from the Internet and displays it on a 3.5" TFT screen (github.com)

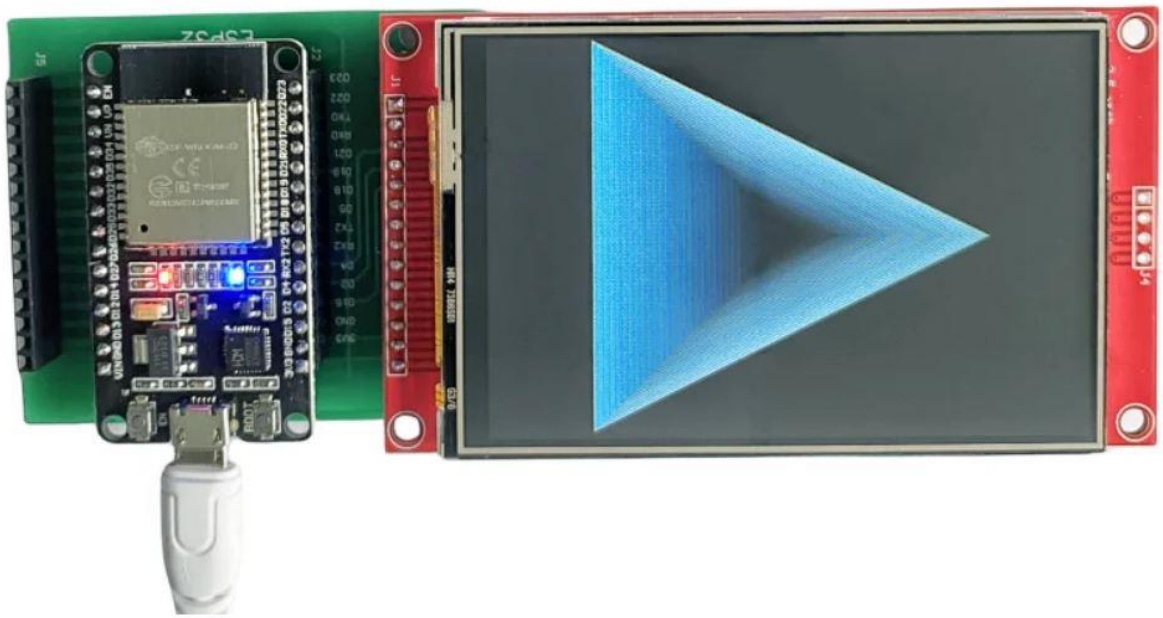
Weather Clock Parts. V1.0 16/09/2024

The simple way is to buy this three-piece unit, consisting of an ESP32 development board, a 3.5” TFT display with ILI9488 driver and a pcb which connects the two together. It even comes with a USB cable and stylus.

Ensure you purchase the ILI9488 version

3.5 Inch TFT SPI LCD Display Module 320RGBx480 ILI9488 With/Without Touch ESP32 Screen - AliExpress 502

You can of course by an ESP32 development board and TFT display separately and connect with Dupont wires. Ensure the TFT is 480 x 320 and is the ILI9488 version.



A little care is needed connecting the three parts.

Referring to the photos, the green PCB should have the writing upside down, with the bottom left pin labelled VIN and the bottom right, 3V3. These will match the legends painted on the ESP module.

Take care when inserting the boards, to ensure no pins are bent.

The boards (well the ones I bought anyway) already had test firmware on them. Connecting to USB power, you should see a keypad. When you get to step 5 Arduino IDE Software load and open the Serial Monitor, when pressing the keys & Send on the tft screen, the numbers will appear on the computer screen