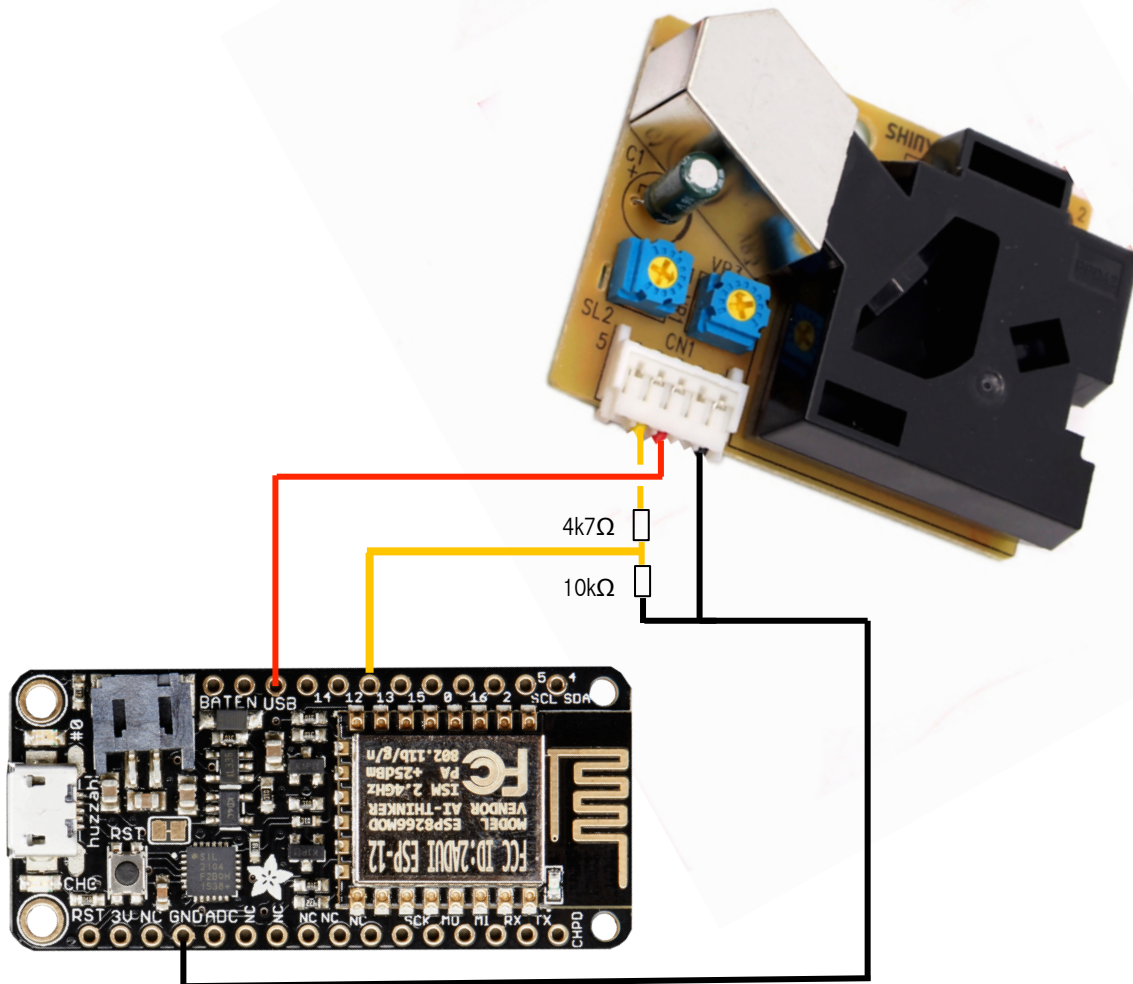# Schematics simplest dust sensor, REV 06 nov 2016



The "simplest dust sensor" consists of a Shinyei ppd42 dust sensor and an EPS8266. The power for the Shinyei is taken directly from the usb feeding the ESP. The output signal of the Shinyei is attenuated slightly using two resistors and fed into GPIO #13 of the ESP.

Data collection and connection to the Internet is provided by the ESP. The WiFiManager library is used to manage the WiFi network.