

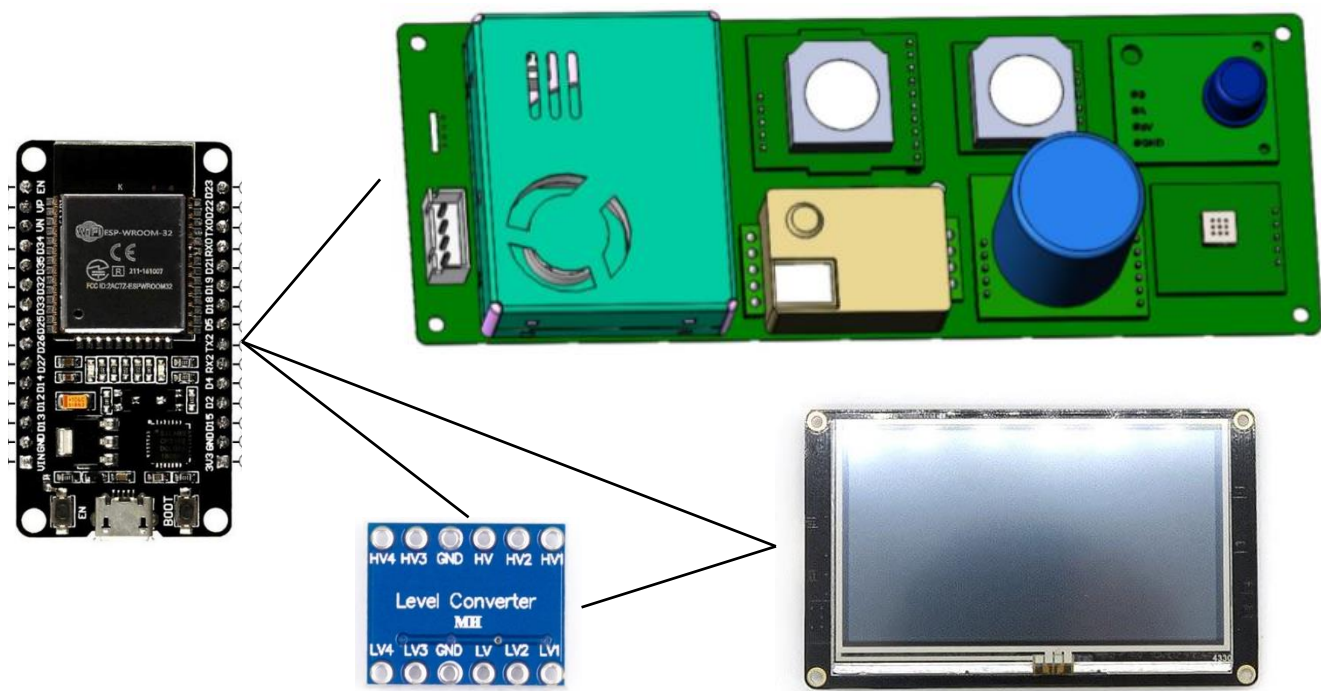
AIR QUALITY MONITOR

ESP32, WINSEN ZPHS01B, NEXTION NX4827K043_011

Component

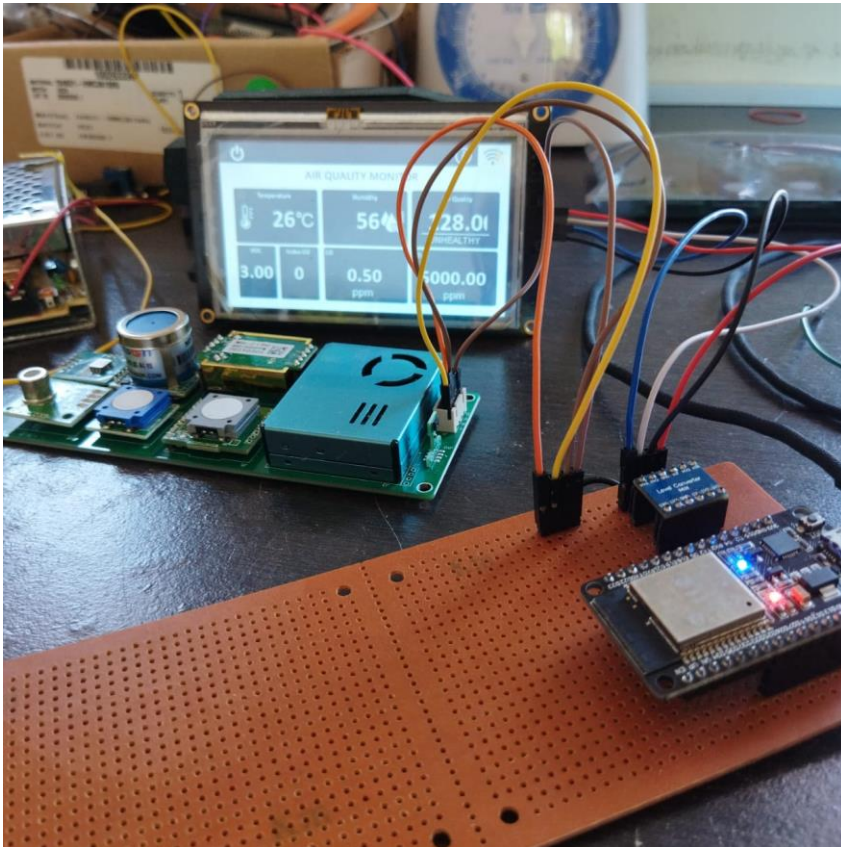
- ESP 32 (controller)
- WINSEN ZPHS01B (Multi-in-OneSensorModule)
 1. Laser dust sensor
 2. Infrared carbon dioxide sensor
 3. Electrochemical formaldehyde sensor,
 4. Electrochemical ozone sensor, electrochemical carbon Monoxide sensor
 5. VOC sensor,
 6. NO2 sensor
 7. Temperature and Humidity sensor.
- NEXTION NX4827K043_011 (Display)
- Voltage Converter

Circuit



ESP	Winsen	Nextion	Converter
GND	GND	GND	GND
Vin	Vcc	Vcc	HV
3,3 V	-	-	LV
D4 (RX1)	TX	-	-
D2 (TX1)	RX	-	-
-	-	RX	H4
-	-	TX	H3
D16(RX)	-	-	LV3
D17(TX)	-	-	LV4

Fitur Already done



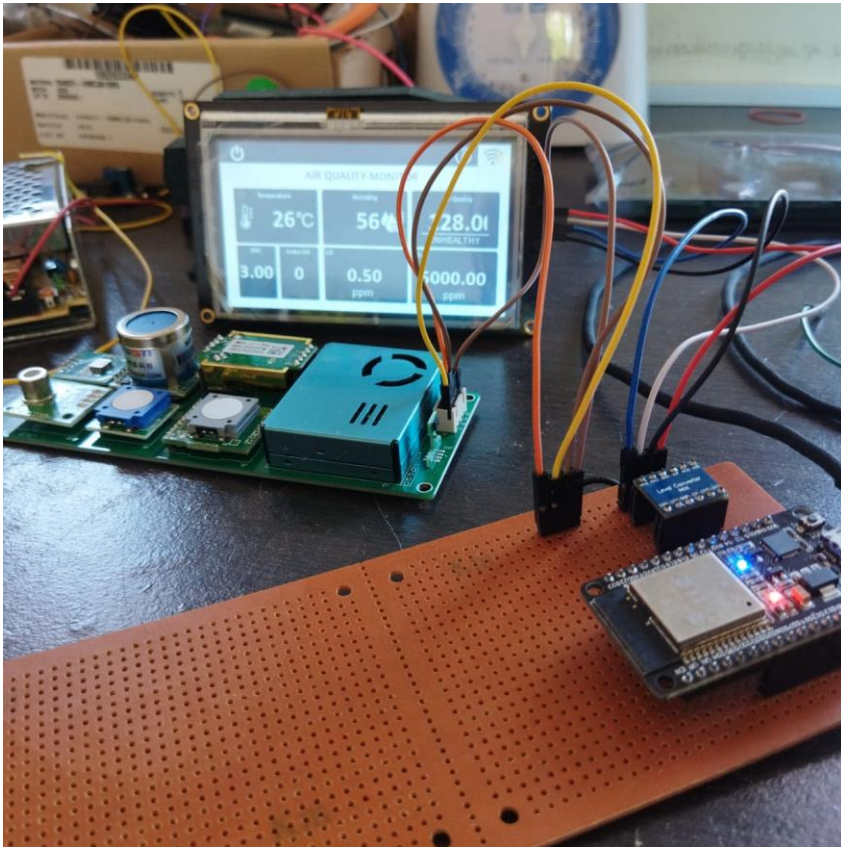
Can display and Post of value :

1. Laser dust sensor
2. Infrared carbon dioxide sensor
3. Electrochemical formaldehyde sensor,
4. Electrochemical ozone sensor, electrochemical carbon Monoxide sensor
5. VOC sensor,
6. NO2 sensor
7. Temperature and Humidity sensor.

Can scan wifi

Auto connect with saved SSID WiFi

Fitur Not ready yet



- Sensor UV
- Code scan and save wifi for new esp