

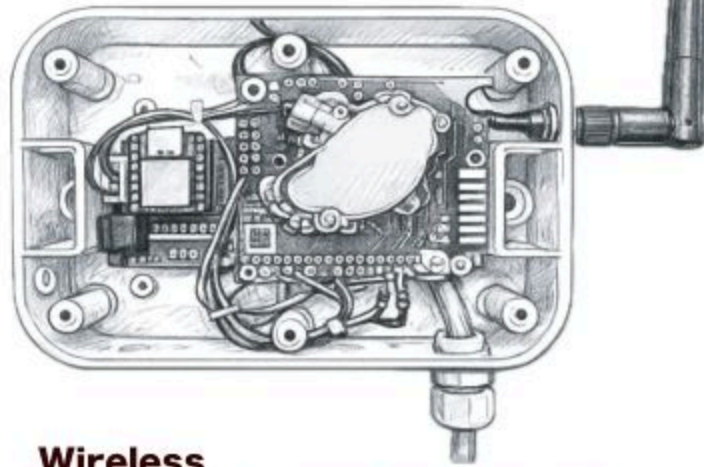


IoT WEB PLC Series V.2

自動環境調整システム



3: R.F Chield



- Wireless**
3-1: CO₂ / Temperature / Humidity
3-2: Illuminance
3-3: Relay Board
3-4: Contact Monitoring

1: Tiny WEBPLC

- A:** CPU Board : CONTEC CPI-MS10CM4 or Raspi 4B
B: DO Board :CPI-DO-16L 16ch

2: SENSOR UNIT

- C:** CPU Board: Raspi 4B or XPort
D: Sensor Board :A.S I3 InterLink

3: R.F Chield :Field Tech Lab

4 ~12: Sensor :Atlas-scientific.com

#(Blue) : Atlas scientific

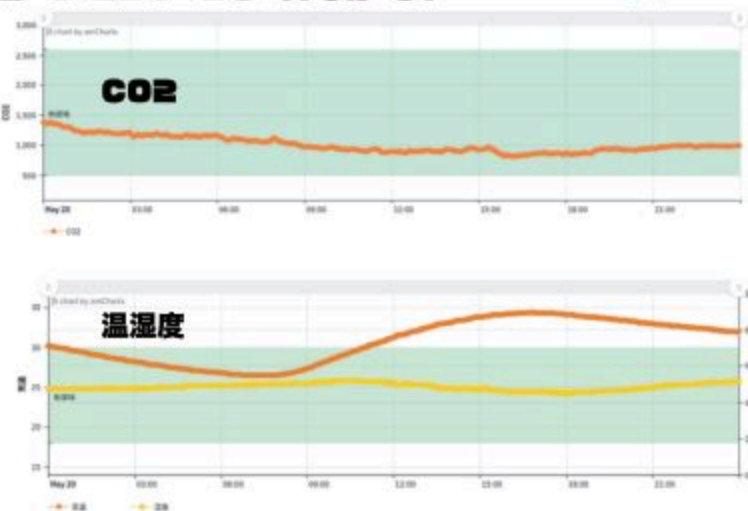
#(Red) : Keyence

- 各市場向け機器構成例
- 水耕栽培 : 1 + 2 + 3 + 4 / 13 + 5 + 6 + 7 + 10 / 14
- 菌類 (キノコ) 栽培 : 1 + 3
- 魚介類養殖 : 1 + (2x2) + 3 + 4 / 13 + 5 + 6 + 7 + 8 + 9 + 10 / 14
- 微細藻類栽培 : 1 + (2x2) + 4 / 15 + 5 + 6 + 7 + 8 + 9 + 10 / 14 + 11 + 12 + 13
- etc

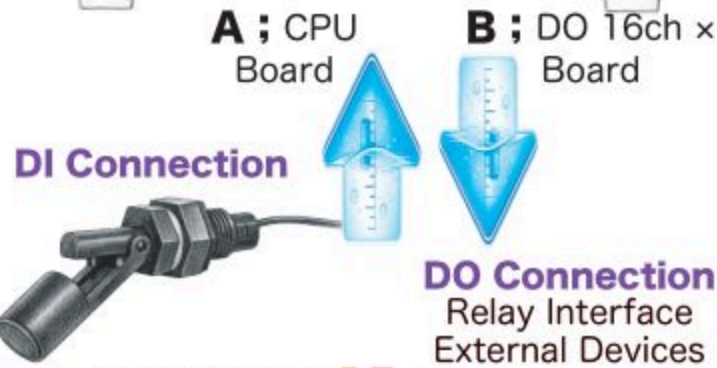
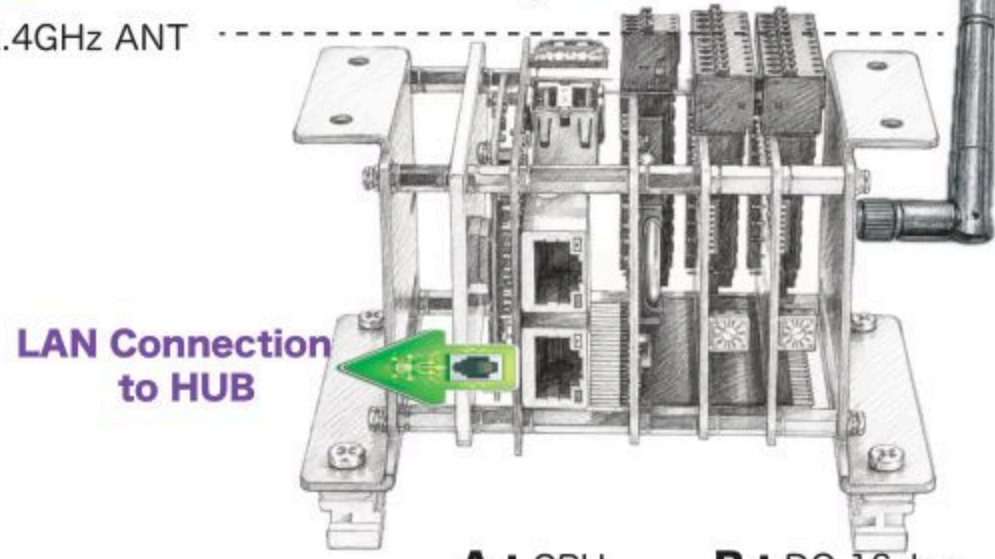
Field



Tiny WEBPLC Web UI



1: Tiny WEBPLC



4: Water Level Sensor or 15:

14: EtherNet/IP™-compatible
IO-Link M.M

15: Water Level Sensor

16: Flow Sensor



2: SENSOR UNIT



5: EC
Nutrient Solution
Concentration

6: pH

7: Liquid
Temperature

8: DO
Dissolved Oxygen

9: ORP
Oxidation-Reduction
Potential

I2C Connection

12: Ambient CO₂ Concentration



10: Flow Sensor or 14:

11: O₂ Sensor



13: Color Sensor