Combine with to form

Particular example I’m going to use here is ESP32.

**ESP32** is a series of low-cost, low-power [system on a chip](https://en.wikipedia.org/wiki/System_on_a_chip" \o "System on a chip) [microcontrollers](https://en.wikipedia.org/wiki/Microcontroller" \o "Microcontroller) with integrated [Wi-Fi](https://en.wikipedia.org/wiki/Wi-Fi" \o "Wi-Fi) and dual-mode [Bluetooth](https://en.wikipedia.org/wiki/Bluetooth" \o "Bluetooth).

Make it part of Iot

So what is Iot?

Iot decribes

So what can the Iot do for us? Actually, it has already made a big difference in our society and our daily lifes.

Increase the communication between the patients and the doctors, as well as the equipments. The sensors in those equipments can measure key parameters and upload the data for the doctors to check, so that the doctors can even offer help remotely.

So the patients in some poor area can get access to great doctors now instead.

Furniture are connect together, and can be managed on apps on the mobile phones. Instead of turning on the heater after returning home, we can now use our phone to control it on our way back.

Get the stock number precisely in the warehouse, so that the producers can use the number to make changes to the number produced. Also, the location of each product can be found quickly to increase efficiency.

Nowadays, many cameras are set on the road. Image recognition can be done so the policeman can adjust the traffic lights according to the traffic volume. More time can be saved. Also, with these cameras, any accidents can be evaluated quickly.

Iot uses Internet. People are always worrying about their information safety online. The benefits of Iot outweigh its danger only if we can keep all the information safe. challenging but crucial.

Various products are connecting with each other, so it is important that they have a same unified standard to avoid any mismatches.

With IoT, we get much information to be processed. How to analyse the data quickly and precisely needs to be considered carefully.

IoT is developing in a speed right now, so we need to update constantly to avoid being left behind.

It is estimated that increase in market size.

Hackers

Regulate the users themselves. For example, the hospitals are using the patients’ information only for treatment. It will be awful if they start to sell those information.