

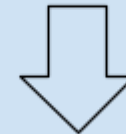
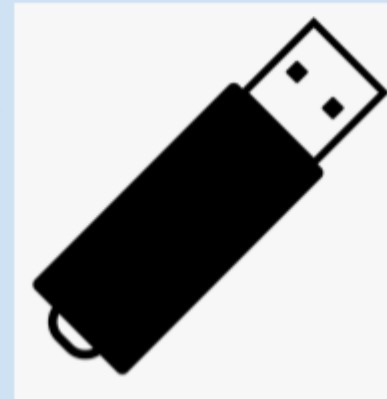
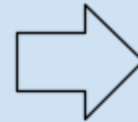
Sensor



EZ-IoT

Input Module

1. Reads the last configuration from config text file.
2. Collects data from sensor on Analogue (0-10v or 4-20mA) or Serial (Modbus or SDI-12 etc.)
3. Creates a new text file and saves collected data concatenated address and time details.



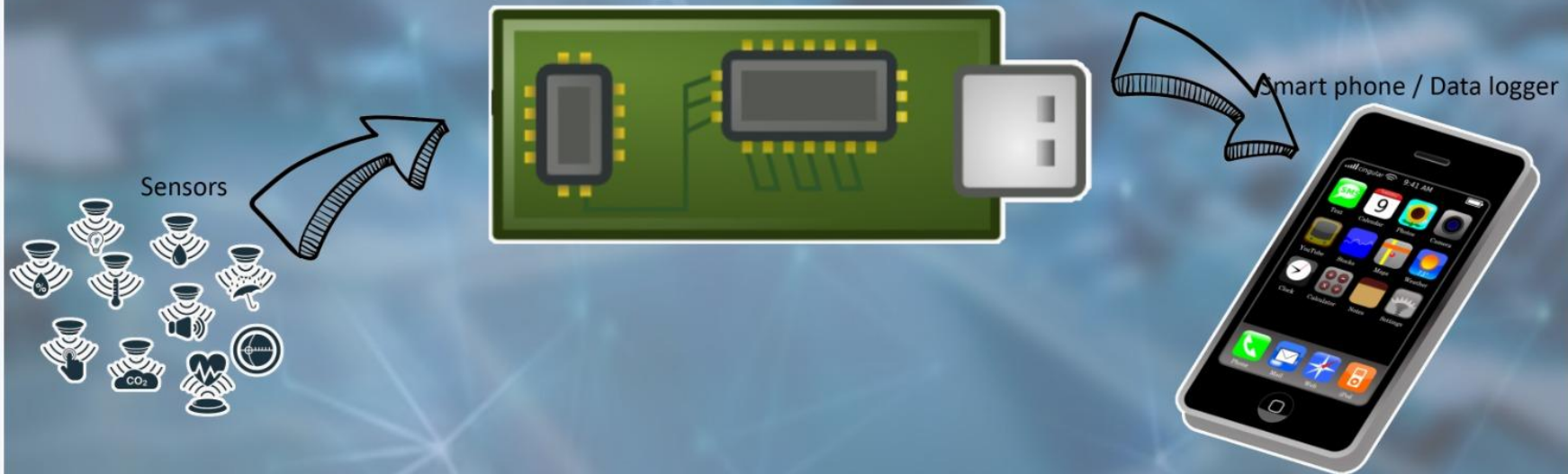
Mobile App

Output Module

1. Reads all text data files
2. Uploads data to the server
3. Deletes uploaded files from flash memory
4. Updates the the last configuration into config text file if needed.

Idea Brief:

EZ-IoT



Many types of sensors can be connected to an old smart phone via EZ-IoT. EZ-IoT inputs included analogue inputs (0-5 volts and 4-20 mA) and digital inputs (e.g. SDI12, RS232, RS485, and etc.). EZ-IoT output is USB.

Project phases:

- 1- Designing and Prototyping hardware and drivers (Windows, Android, and ios) and data logger application
- 2- Developing remote applications and UI
- 3- Data access on cloud and shared database

