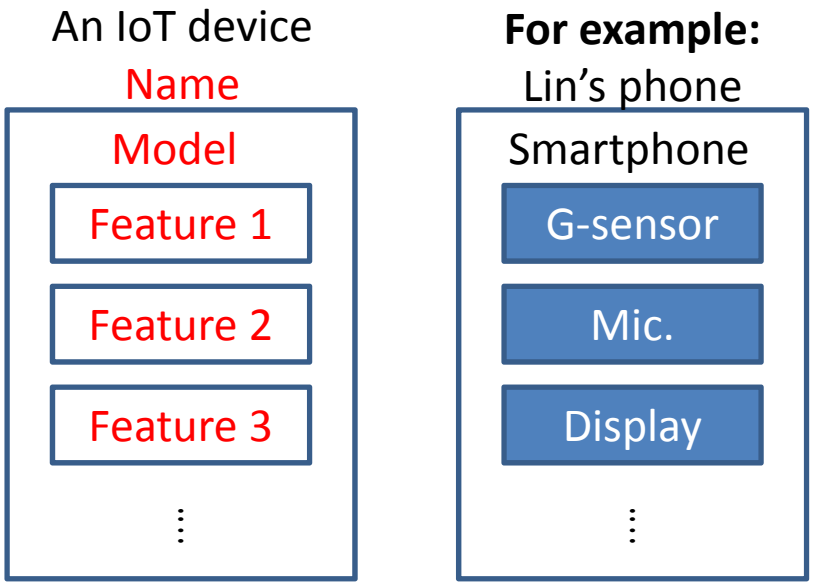
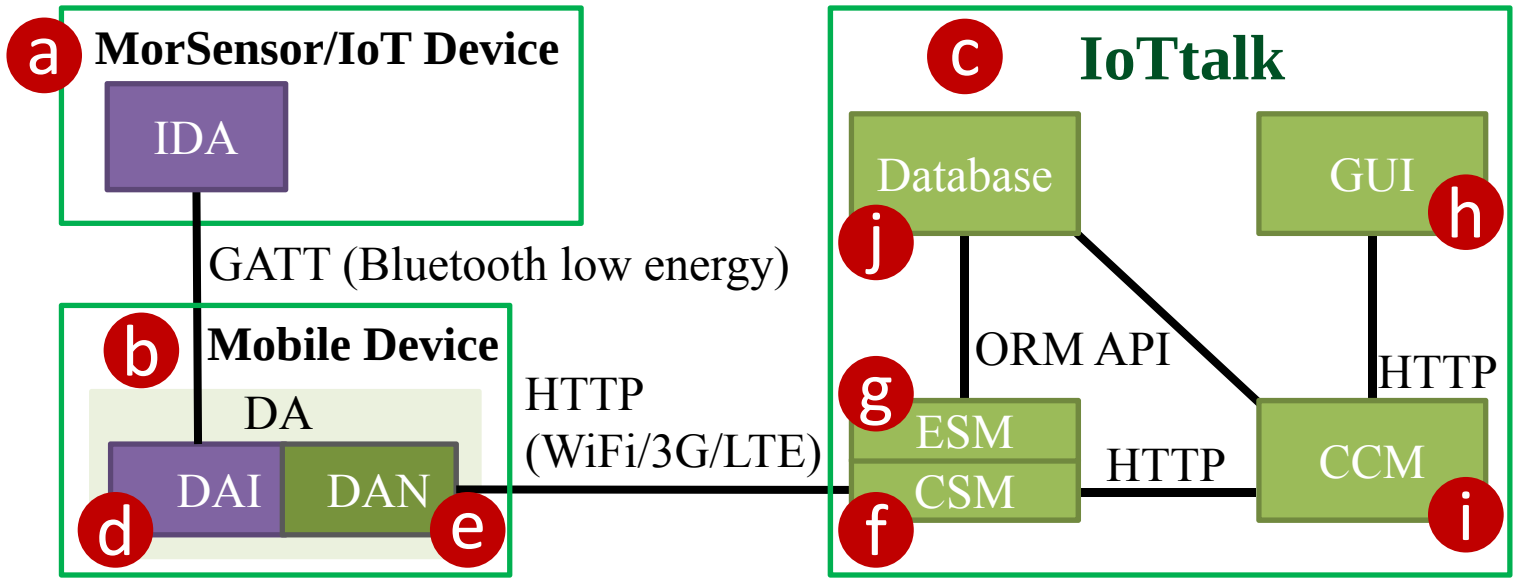
What is IoTtalk?

- **IoTtalk is an IoT device management tool**
- **IoT management concept**
  - Device Feature
    - The function or capability which an IoT can provide
  - Device Model
    - A set of device features
    - A device model refers to a specific product
  - Device name
    - The name of a specific product



System Architecture



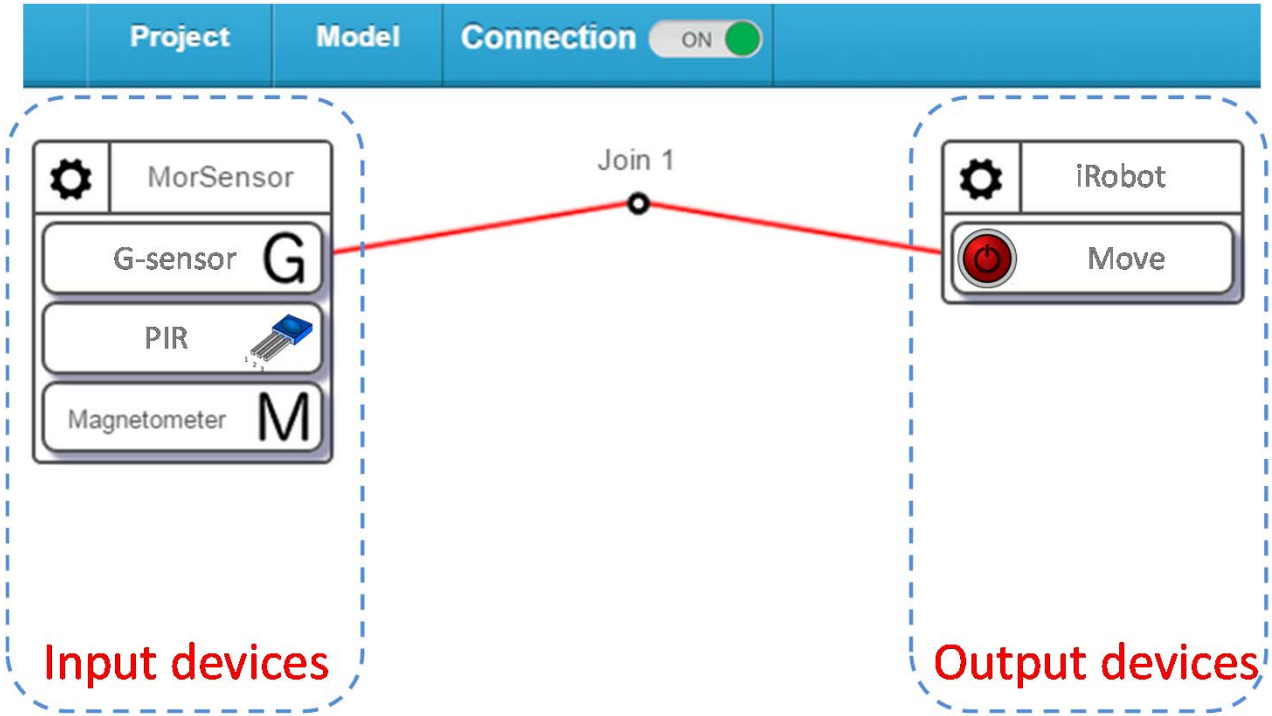
IDA: IoT device application
DAI: Device application to IoT device
DAN: Device application to Network
ESM: Execution SubModule system
CSM: Communication SubModule system
CCM: Creation, Configuration and Management system

Benefits of IoTtalk

- **Applications can simply develop with lower efforts**
- **Simple and intuitive GUI**
- **Application development without real devices is feasible**

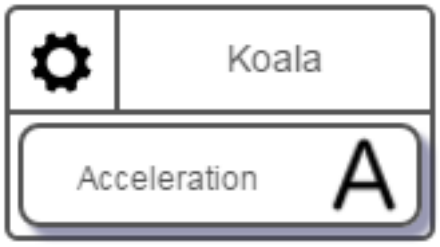
Simple and Intuitive GUI

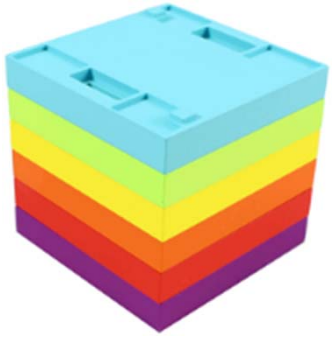
- Connections by intuitional drawing links between IoT devices
- Transparently observe the connections between IoT devices
- Monitor the transmitting values between IoT devices
- Application debugging is more easier



Applications can simply develop with lower efforts

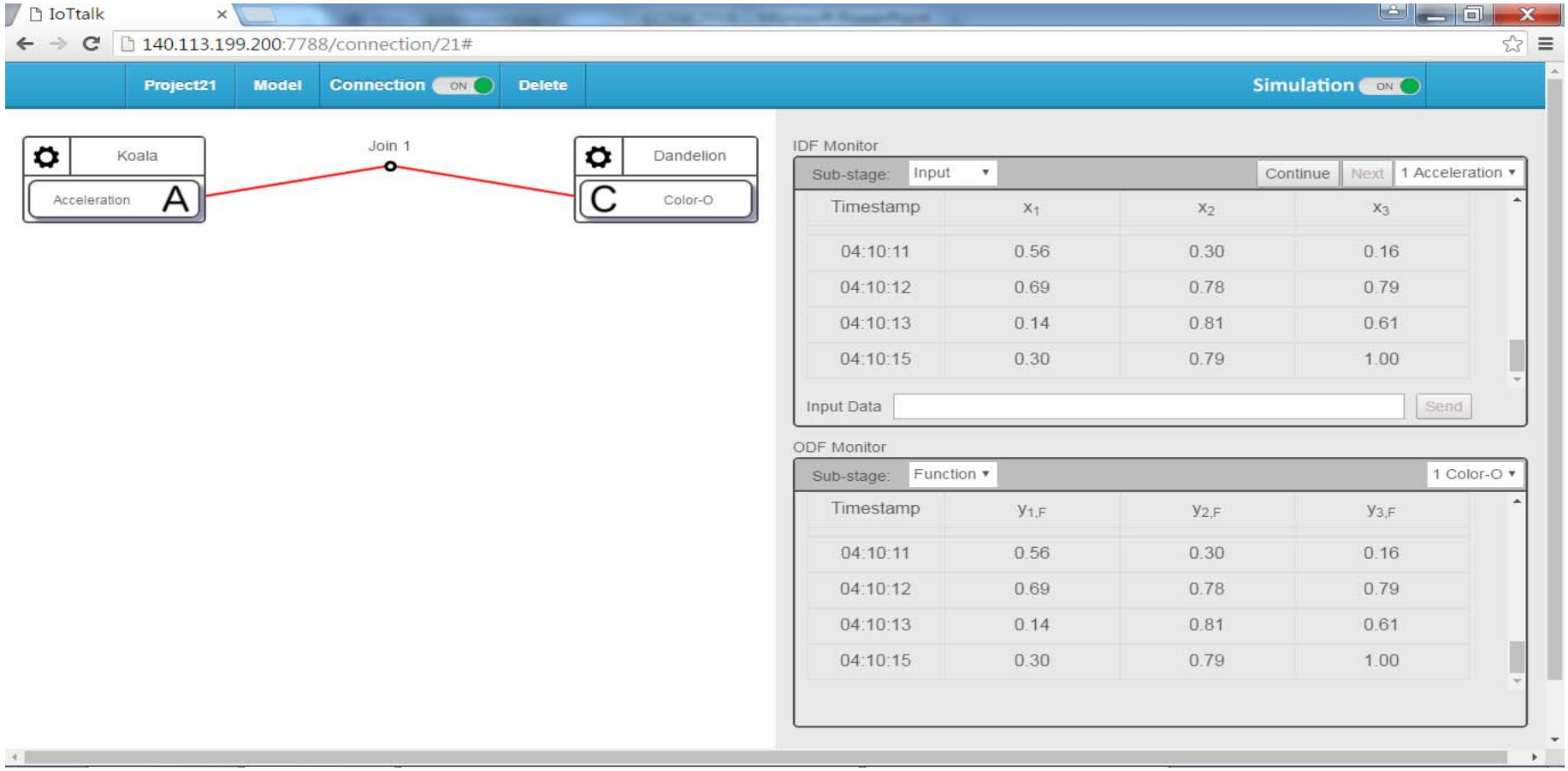
- Reusable DF modules
  - Even they are different IoT devices



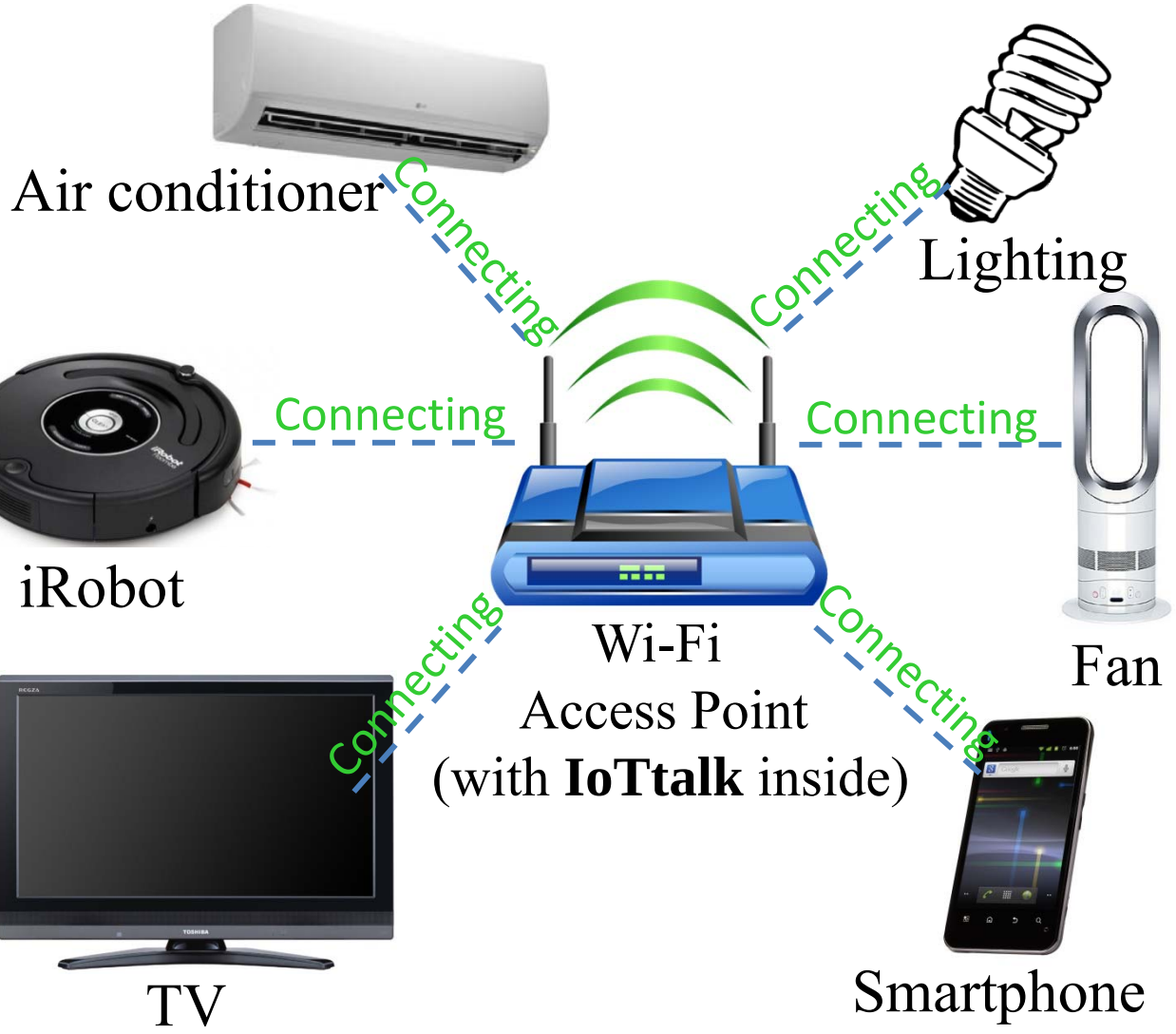


Application development without real devices is feasible

- Do not need the real devices first to develop applications
- The simulator provides the numerical values as inputs



Appliances/IoT Devices Connection



Easy to Deploy and Operate

acer Cloud Professor

Intel Edison

Raspberry Pi3

PC server

For example, you can try
http://140.113.199.200:7788/connection

Application Example