

Figure 1: Smart system components and interactions

The IoT system has a similar purpose as general smart systems, but the main difference is that the IoT system is a distributed solution of smart systems by using internet infrastructure. Similar functionality is decomposed into smaller devices acting as a single functioning device rather than a complex system. Nevertheless, when all small nodes are interconnected and can exchange messages with each other despite their location, we get a powerful system dedicated to performing automation tasks in very wide application domains. The following figure represents the IoT system architecture, its distributed nature, and its communication function.

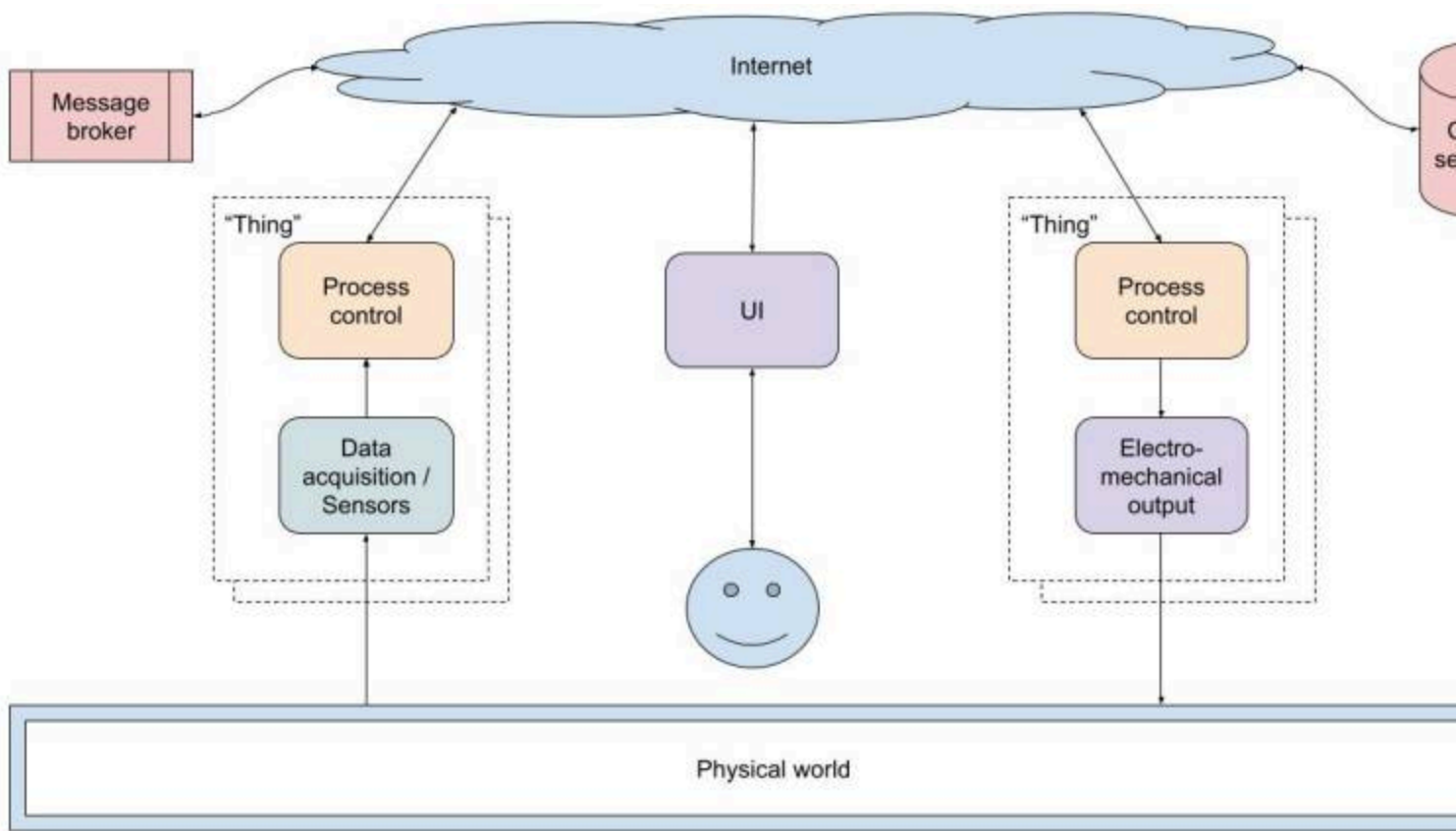


Figure 2: Smart IoT system components and interactions