Abstract

In this demo we fabricate 4 development boards using the APlix CSR1010 modules and then establish a Bluetooth Low Energy (BLE) mesh network, which is suitable for power-limited and low-complexity IoT applications with low-priority and infrequent data traffic. In addition to the basic operations such as sensing and actuating devices, this demo also shows a BLE star-mesh integration topology to extend the connectivity range to cover 4 laboratories.