IoT & Wireless Connection

STM32WB BLE Smart Mesh Demo

Willee GONG

STM32WB BLE Smart Mesh Demo

- Demo name (EN): STM32WB BLE Smart Mesh demo

- Demo name (CN): STM32WB低功耗蓝牙智能组网方案

- Demo description (EN):
  - Using the iOS or Android mobile program ST BLE Mesh, 6 STM32WB55RG-based STM32WB Nucleo-68 devices are configured to be Mesh nodes and divided into 5 Mesh subnets, controlled by ST BLE Mesh. The LED lights of the Mesh nodes in the 5 subnets are turned on or off at the same time, or the LED lights of all Mesh nodes are turned on or off at the same time.

- Demo description (CN):
  - 使用iOS或Android手机程序ST BLE Mesh，将6个基于STM32WB55RG的STM32WB Nucleo-68设备经启动配置成Mesh节点，并分成5个Mesh子网，通过ST BLE Mesh控制5个子网中Mesh节点同时开或关LED灯，或控制所有Mesh节点同时开或关LED灯。

STM32WB BLE Smart Mesh Demo

- Demo features (bullets) (EN):

  1. Supported Mesh Node: Proxy Node, Relay Node, Friend Node, Low Power Node
  2. The Provisioner Node is self provisioned and configured during the initialization
  3. An unprovisioned device that can be provisioned and configured by iOS or Android smartphone application ST BLE Mesh.
  4. Turn on or off at the same time on all the LEDs of All Mesh Networks or certain subnet

- Demo features (bullets) (CN):
  - 支持的Mesh节点：代理节点，中继节点，好友节点，低功耗节点
  - 启动配置节点可在初始化时进行自我启动配置
  - 未启动配置设备可通过iOS或Android应用程序ST BLE Mesh进行启动配置
  - 控制Mesh全网或子网中的所有节点同时开或关LED灯

Mesh全网所有节点同时控制

控制所有Mesh节点同时开灯

控制所有Mesh节点同时关灯

Mesh子网Row1或子网Row2所有节点同时控制
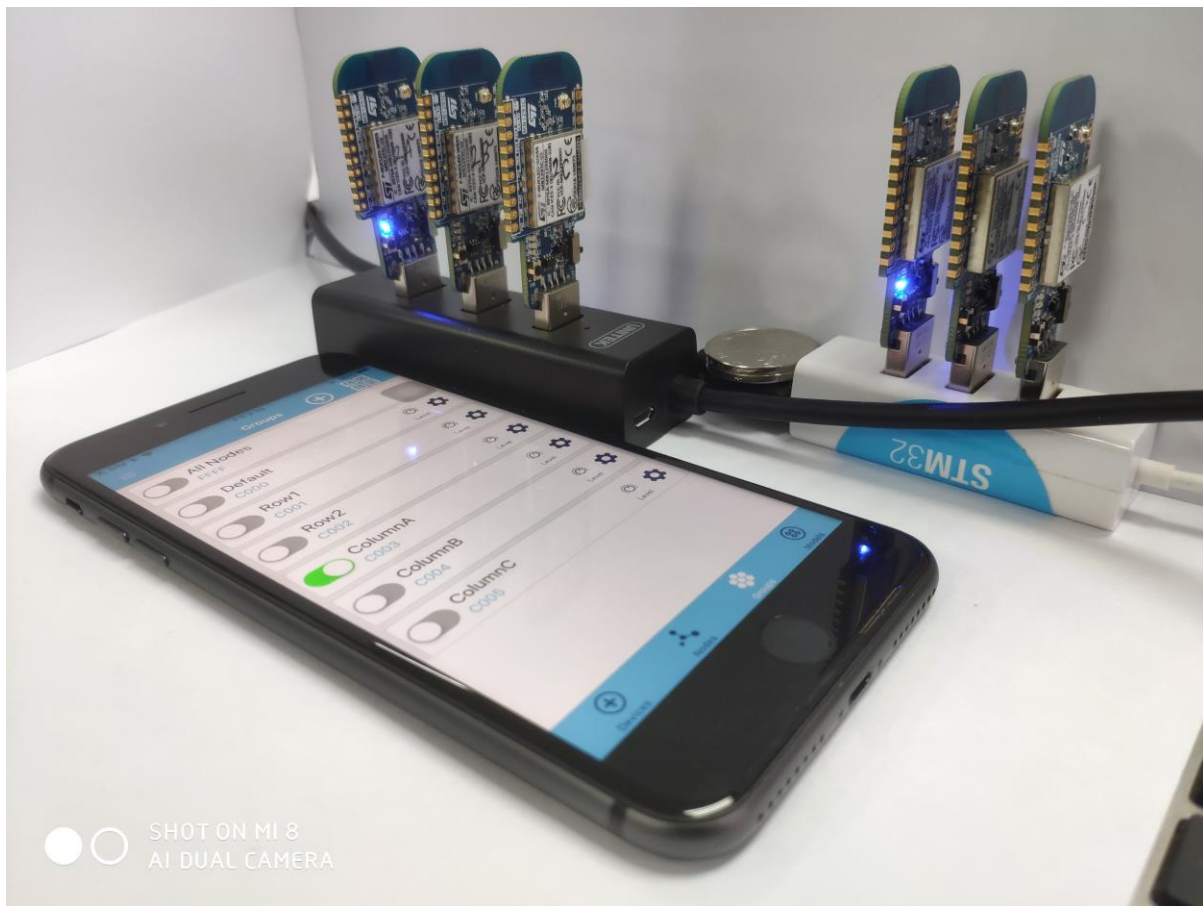
控制Mesh子网Row1中所有节点同时开灯 | 控制Mesh子网Row2中所有节点同时开灯

Mesh子网ColumnA或子网ColumnB所有节点同时控制

控制Mesh子网ColumnA中所有节点同时开灯

控制Mesh子网ColumnB中所有节点同时开灯

Mesh子网ColumnB或子网ColumnC所有节点同时控制

控制Mesh子网ColumnB中所有节点的LED灯的同时开

控制Mesh子网ColumnC中所有节点的LED灯的同时开

Thank you

life.augmented