KIOT-CN-ZIG

IoT UNITARY CONTROLLER

The KIOT-CN-ZIG Room Controller is an extension of Kepler technology that provides a diverse range of interfaces, including wired, wireless, and electrical connections. It was developed to facilitate sophisticated hotel room, apartment, and villa automation applications. The Zigbee 3.0 and Bluetooth Mesh (SIG) interface is the most important aspect of this product since it allows for the integration of Zigbee and Bluetooth Mesh sensors, luminaires, and other actuators. The device is designed to address the requirement for a decrease in the amount of wiring in both new buildings and retrofit situations. Additionally, the KIOT-CN Room Controller is capable of integrating without any complications with native OPC networks as well as MODBUS Systems at the controller level. Together with the software known as node red, it is possible to develop flexible room solutions that can be easily altered to changing requirements during the course of the project with minimal work. A web-based room operation that is accomplished through a LWEB-802/803 dashboard is an essential component of the KIOT-CN system. Additionally, the system may automatically generate visuals for the KCP / KPAD / LPAD Touch Panel, which is used for local operation.

One Controller

The powerful KIOT-CN Controller offers connectivity functions that allow for the simultaneous integration of wired protocols over Wifi like KNX, Modbus, and OPC and wireless protocols Bluetooth 4.2, Bluetooth Low Energy (BLE) via onboard antenna, Zigbee 3.0 & Matter via USB.Built-in firmware, emulate standard UART interface, used to upgrade the original serial peripherals or expand additional serial UART via USB.

It is possible to communicate data between all of the communication technologies that are present on the device thanks to the gateway capability. Different data points pertaining to technology are mapped on the device by means of the Local Connections capability. Global Connections provides help for the mapping of various technological data points on devices that are scattered throughout multiple locations.Support free installation OS which built-in CDC driver or multifunctional high-speed VCP vendor driver.

KEPLER electronics

Specifications

Processor	64-bit 1GHz Quad-core Processor, 8GB Memorey
RAM	512MB LPDDR2 SDAM
Power input	5V, via Micro USB or GPIO
Dimensions	69.50*42.50*21.20 mm
Networking	2.4GHz 802.11b/g/n wireless LAN
Bluetooth	Bluetooth 4.2, BLE, onboard antenna
USB	micro USB On-The-Go (OTG) connector, supports USB HUB expansion
Video	Mini HDMI port, supports PAL and NTSC standard, supports HDMI (1.3 and 1.4), 640 × 350 to 1920 × 1200 pixels
Interface	Web Services (OPC XML-DA/UA, MODBUS TCP, HTTP, HTTPS, FTP, SSH, VNC, SNMP, BLE, ZIGBEE ,2.4G WIFI
Temperature	0 - 40 C
Humidity	10-90% relative, non condensing