

Brief description of the functions

Me Bluetooth (Dual Mode) is designed to communicate with devices with Bluetooth function through specific software. It is compatible with Bluetooth 2.0 and 4.0, provides a simple way to communicate with other Bluetooth device(such as smart phones). The Bluetooth module provides TTL level UART interface. It acts like a normal UART module in an embedded system(such as Arduino), communicating with other Bluetooth device is as easy as operating a serial port.

The ELET114A Bluetooth Dual-Mode Module is integrated MCU (ARM Cortex-M0 32-BIT MICROCONTROLLER) and Bluetooth radio device, follow BT2.1+EDR/3.0/4.0(BLE) specification, support SPP protocol and so on. It supports UART, SPI, I2C, interfaces, contains four PWM ports, channels and several GPIOs, with high integration, low cost, low power consumption, and excellent Radio performance. It achieves the perfect compatibility of iOS(MAC), Android and other operating system.