

LE2201/501

Toshiba TC35661 Bluetooth 4.0 Dual Mode GATT+SPP module

Introduction

Able Trend Technology introduces the pioneer of the Bluetooth ver. 4.0 with dual mode compliant wireless module LE2201/501 that is a high performance, cost effective, low power and compact solution. The Bluetooth Smart Ready module provides a complete 2.4GHz Bluetooth system based on Toshiba TC35661 chipset, which includes an RF analog part and a Base band digital part. This module is fully compliant to Bluetooth 4.0 dual mode for data communications.

The integrated 2.4GHz RF transceiver offers full Bluetooth compatibility as well as excellent receiver sensitivity and robustness, thus building a reliable interface to the antenna. The certificated module enables its user to use SPP (Serial Port Profile) function, GATT (Generic Attribute Profile) function, and LE (Low Energy) within the shortest possible time to market. LE2201 can be powered

directly with a standard 3V coin cell battery or pair of AAA batteries.

Certification:

- SIG BQB certification (QDID: B021317)
- Japan TELE (TELE ID: 005-100587)
- US FCC (FCC ID: 2AATFMB400EL)

Features

- Compliant with Bluetooth 4.0 SPP+GATT+LE
- EEPROM interface
- Host CPU interface
- 19 pins GPIO
- Wake-up interface
- Supports Sleep Clock
- Internal Sleep Function
- LED Switching Function

