Ordering Information

P/N: UGWT1BL1FLA233A

Family: Bluetooth -TETRA

Features

- **Dual Mode BT V3.0+HS/V4.0**
- **Programmable EEPROM**
- **USB interface**
- **Double Helix Antenna**
- **+9dBm Transmit Power**
- **-90dBm Receiver Sensitivity**
- **Size: 30 x 6.5 x 2.25 (mm)**
- **6 Pin XSR JST Connector**
- **Temp. Range: -20 to +70**
- **LED Driver**
- **Range: 35 Meters**
- **Power Consumption:**

   - Transmit: 31mA (peak)

   - Receive: 50mA (peak)

   - Idle: 5mA (peak)

   - Sleep Mode: 0.4mA (peak)

- **Certifications: (modular)**

   - Bluetooth

   - N. America Regulatory

   - Europe

   - Other countries

TETRA

Bluetooth Dual Mode BLE Module

Unigen introduces dual mode Bluetooth into their line of wireless modules and products. The Tetra module supports Bluetooth v4.0 for the Low Energy operation and Bluetooth v3.0 + High Speed for communication with existing Bluetooth devices.

Tetra operates on the High Speed (+HS) bandwidth via a XSR six pin JST connector. The interface is the USB HCI protocol . Tetra utilizes a serial EEPROM for retaining the Bluetooth Address, Country Code of operation, and previously paired Bluetooth devices. It stores the Bluetooth address and link key information on the module.

The slim design of Tetra features on-board, double helix, printed, antenna which addresses many antenna placement issues. The module is designed to be placed in areas that are small and slim offering optimum antenna placement. Also, instead of using RF cable assemblies and/or external antenna, the module can be placed using a low cost 6 wire cable assembly which is used to connect the module to the motherboard and host.

Applications

- Laptops/Netbooks/Tablets
- Automotive Dash & Infotainment
- Set-top box, IP-TV, TV's, DVR
- Health, Fitness, Exercise equipment
- Smart Energy/Grid, Smart Appliances
- Vending, Point of Sales, Kiosks