

Product Number: UGQLUE4USE050A



Family	LETO
Type	Leto-USB
Range	10+ Meter
Rfout	Trace
Vol	5.0VDC USB
Temperature	0 - 70 C
Description	LETO-USB 6936 5.0V TRACE

Features:

- USB 2.0 full speed
- Complete Transceiver Radio module: CYRF6936 LP 2.4GHz DSSS Radio SOC, Tuned Matching RF Network, 10ppm crystal, complete PCBA including trace antenna and universal 12 position interface header
- Operates in the 2.4 to 2.483GHz, unlicensed frequency range (ISM – Industrial, Scientific and Medical)
- Transmit power up to +4dBm
- Receive sensitivity up to -97dBm
- Transmission Range up to 50 meters NLOS

- DSSS data rates up to 250 kbps, GFSK data rate of 1 Mbps
- Auto Transaction Sequencer (ATS) - no MCU intervention
- Framing, Length, CRC16, and Auto ACK
- Fast Startup and Fast Channel Changes
- Separate 16-byte Transmit and Receive FIFOs
- AutoRate™ - dynamic data rate reception
- Receive Signal Strength Indication (RSSI)
- Serial Peripheral Interface (SPI) control while in sleep mode
- 4-MHz SPI microcontroller interface
- Operating voltage from 3.0V to 5.25V
- Sleep Current <20mA
- Operating current 35mA-62mA at 5V, Internal PA setting 5 (-5dBm) thru 7 (+4dBm)

Description:

LETO-USB WirelessUSB™ devices are tightly integrated, low-cost, high-reliability 2.4GHz TX/RX communications devices for use with Human Interface Device (HID) class compliant products.

The LETO-USB devices use the Cypress Semiconductor CY7C64215 enCoRe III full speed USB controller and CYRF6936 LP 2.4GHz DSSS Radio SOC device

LETO-USB devices are a complete radio solution requiring only integration into an existing, or new device.

LETO-USB devices are 100% tested for functional operation and are pre-screened for FCC Part 15 compliance. The devices are supplied with an integrated antenna. For applications where the integrated antenna is unsuitable, model LP are available that support using an external coaxial antenna. Unigen recommends using a 2dBi gain dipole antennae for customers requiring an external antenna.

LETO-USB devices are intended for use in computer and consumer product/device applications