## Summary

StarLite USB provides a transparent USB interface to the IEEE 802.15.4 standard for low data-rate networks. It is ideal for OEMs who need to add command-free single-hop wireless serial communications to their products. It incorporates an FCC / CE certified IEEE 802.15.4 transceiver.

StarLite USB permits point-to-point, star, broadcast, and byte-addressed communications architectures.

### Firmware Features:

- *Communications modes supported:*
    - *Point-to-point*
    - *Star*
    - *Broadcast*
    - *Addressed*
- *One coordinator can support up to 255 end devices*
- *Low latency fast end devices*
- *Sleepy end devices sleep poll for data when awake*
- *Practical over-the-air data rate 19200 baud approx*
- *Coordinator packet cache of up to 32 messages of up to 64 bytes each*

### Compatible Products

- *Fully compatible with other IEEE 802.15.4 products, including:*
    - *MACdongle*
    - *PixieMAC*
    - *StarLite*



### Hardware Features:

- *USBoot bootloader allows firmware interchange between:*
    - **MACdongle™** *IEEE 802.15.4 MAC layer and sniffer*
    - **Zongle™** *ZigBee RFD APS layer*
    - **StarLite USB™** *transparent IEEE 802.15.4 communications*
- *2.4GHz IEEE 802.15.4 RF module*
- *FCC / CE / IC compliant*
- *Signature 'G' antenna, free-space range 120m, compact, low 'hand-effect' design*
- *Bind button*
- *Status indicator output*
- *56mm x 20mm x 9mm*

### Ordering Information

| Table 1. Ordering information | |
|---|---|
| **Part No** | **Description** |
| SLUC | StarLite USB (USB coordinator) |
| SLUF | StarLite USB (USB fast end device) |
| SLUS | StarLite USB (USB sleepy end device) |
| *StarLite USB is free for use with FlexiPanel UZBee* | |

Manufactured to ISO9001:2000