



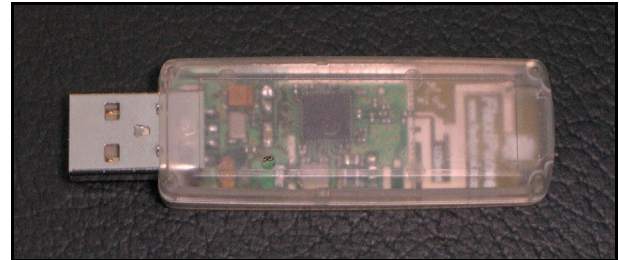
### Summary

Zongle allows USB-enabled devices to implement the ZigBee communications protocol for low data-rate wireless mesh networks. It is ideal for OEMs who need to add USB capability to their ZigBee networks. It incorporates an FCC / CE certified IEEE 802.15.4 transceiver, a ZigBee RFD stack and USB interface.

Zongle provides a gateway between ZigBee and Microsoft Windows PC software. As a derivative of the FlexiPanel USBoot family, its firmware may be reprogrammed interchangeably with any other compatible firmware via the USB port.

#### Firmware Features:

- Incorporates ZigBee RFD stack.
- Up to 8 endpoints with up to 8 input and 8 output clusters each.
- Fully compatible with free-of-charge Switcher PC software for Windows PCs.
- NWK-layer services include:
  - Network Discovery
  - Joining & Leaving
  - Synchronization with parent
  - Set & Get attributes
- APS-layer services include:
  - Binding
  - Endpoint data messaging
- Device-layer services include:
  - ZDO profile ID
  - ZDO Endpoint descriptions
  - RSSI of last packet
  - LQI of last packet
  - LED control
  - Pushbutton indication
  - Error report
  - Device information report
  - One-time MAC address configuration



#### Hardware Features:

- USBoot bootloader allows firmware interchange between:
  - MACdongle™ IEEE 802.15.4 MAC layer
  - Zongle™ ZigBee RFD APS layer
- 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 LED
- 56mm x 20mm x 9mm



Zongle operating with Flexipanel's free Switcher PC software

#### Ordering Information

Table 1. Ordering information	
Part No	Description
UZBee	USB IEEE 802.15.4 radio adapter

Manufactured to ISO9001:2000

