OM15020: JN5169 USB Dongle for ZigBee

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Overview

The OM15020 pack contains a JN5169 USB Dongle, which can be used as a node in a ZigBee wireless network, typically as a ZigBee Control Bridge, ZigBee Co-ordinator or packet sniffer. It can be used stand-alone or with the components of the JN516x-EK001 or JN516x-EK004 Kit.

Pre-programmed software:The JN5169 USB Dongle supplied in this pack is pre-programmed as an IEEE802.15.4 packet sniffer. It can therefore be used to detect packets in a ZigBee wireless network. To use this application, you must also install the Ubiqua Protocol Analyzer software on the PC from which the packet sniffing will be conducted. This software can be obtained from the Ubilogix web site.

Re-programming: The dongle can be re-programmed with other JN5169 applications by plugging the dongle into a PC and using a JN51xx Flash Programmer utility to download a new application to the Flash memory on the JN5169 device. A suitable utility is provided in

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Features

- JN5169-001 wireless microcontroller
- Integrated PCB antenna
- FTDI FT232 driver chip for USB connection
- Two LEDs

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OM15020 Dongle

Supported Devices

- **JN5169**: ZigBee and IEEE802.15.4 wireless microcontroller with 512 kB Flash, 32 kB RAM

Target Applications

- ZigBee Co-ordinator node in low-power wireless network
- ZigBee Control Bridge in 'Internet of Things' (IoT) system
- IEEE802.15.4 packet sniffer
- ZigBee 3.0 test harness

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