ZigBee Generic Node Expansion Kit

JN5169XK010   Receive alerts ⓘ

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Note: JN5189/88T (/products/wireless-connectivity/thread/jn5189-88-t-high-performance-and-ultra-low-power-mcus-for-zigbee-and-thread-with-built-in-nfc-option:JN5189_88_T) is preferred for any new design. No new software releases planned

The JN5169XK010 expansion kit contains components that form a ZigBee node based on the NXP® JN5169 wireless microcontroller. The node provides switch, level control and LED functionality. It can participate in a ZigBee wireless network which may, for example, be created using components of the JN516x-EK004 or JN516x-EK001 ZigBee Evaluation Kit. It can be introduced into the network via ZigBee commissioning or, optionally, via NFC commissioning using the NTAG® I²C kit (available separately).

Pre-programmed software:

The JN5169 module supplied in this kit is pre-programmed as a Dimmer Switch for use in the ZigBee Smart Home Demonstration provided in the JN516x-EK004 Evaluation Kit.

Re-programming:

Product Details

Supported Devices | Features

(//www.nxp.com)   **ZigBee Generic Node Expansion Kit**

Supported Devices

Wireless Connectivity

Zigbee

- **JN5169** (/products/wireless-connectivity/zigbee/zigbee-and-ieee802-15-4-wireless-microcontroller-with-512-kb-flash-32-kb-ram:JN5169)**:** ZigBee and IEEE802.15.4 Wireless Microcontroller with 512 KB Flash, 32 KB RAM

Features

Carrier Board (OM15043) to accommodate the expansion board and JN5169 module

Connectivity	- Adaptor (OM15044) for connecting an NTAG® I²C antenna board (not included) to the Carrier Board - USB cable for connecting the node to a PC (e.g. for programming purposes) - JN5169 module (JN5169-001-T00) with integrated PCB antenna for 2.4 GHz operation
Expansion Ports	Generic Expansion Board (DR1199) featuring 4 switches, 4 LEDs, and a potentiometer

Target Applications

- ZigBee On/Off Switch or On/Off Light Switch
- ZigBee Dimmer Switch
- ZigBee Occupancy Sensor (simulated)
- ZigBee On/Off Sensor (simulated)