

# JN5169

## ZigBee Expansion Kits

### Product Overview

06-23-2021

For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

NXP JN5169 ZigBee® Expansion Kits contain the components that form a ZigBee network node based on the NXP JN5169 wireless microcontroller.

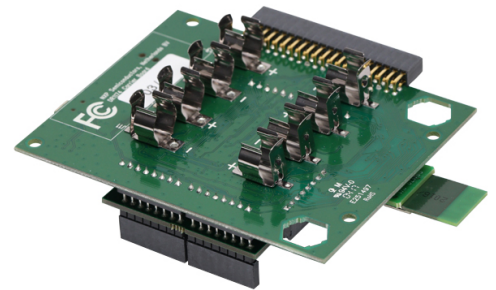
The JN5169XK010 expansion kit is used to create a node that provides switch, level control, and LED functionality.

The JN5169XK020 Expansion Kit is used to create a node providing lighting and sensor functionality.

They can participate in a ZigBee wireless network, that can be created using all the components of the JN516x-EK001 or

JN516x-EK004 ZigBee Evaluation Kit which can be introduced into the network via ZigBee commissioning or through an optional NFC commissioning using the NTAG® I<sup>2</sup>C kit (available separately).

The JN5169 module that is supplied in these kits are pre-programmed as Dimmer Switch (JN5169XK010) and a Dimmable Light (JN5169XK020) for use in utility.



## Features

- Expansion Board
  - JN5169XK010: Generic Expansion Board (DR1199) featuring 4 switches, 4 LEDs, and a potentiometer
  - JN5169XK020: Lighting/Sensor Expansion Board (DR1175) featuring white dimmable LED cluster, RGB color LED module, light sensor, and humidity/temperature sensor.
- JN5169 Microcontroller Module (JN5169-001-T00) with integrated PCB antenna for 2.4GHz operation
- Carrier board to accommodate the expansion board and JN5169 module
- Adapter for connecting an NTAG® I<sup>2</sup>C antenna board (not included) to the carrier board
- USB cable for connecting the node to a PC

## Applications

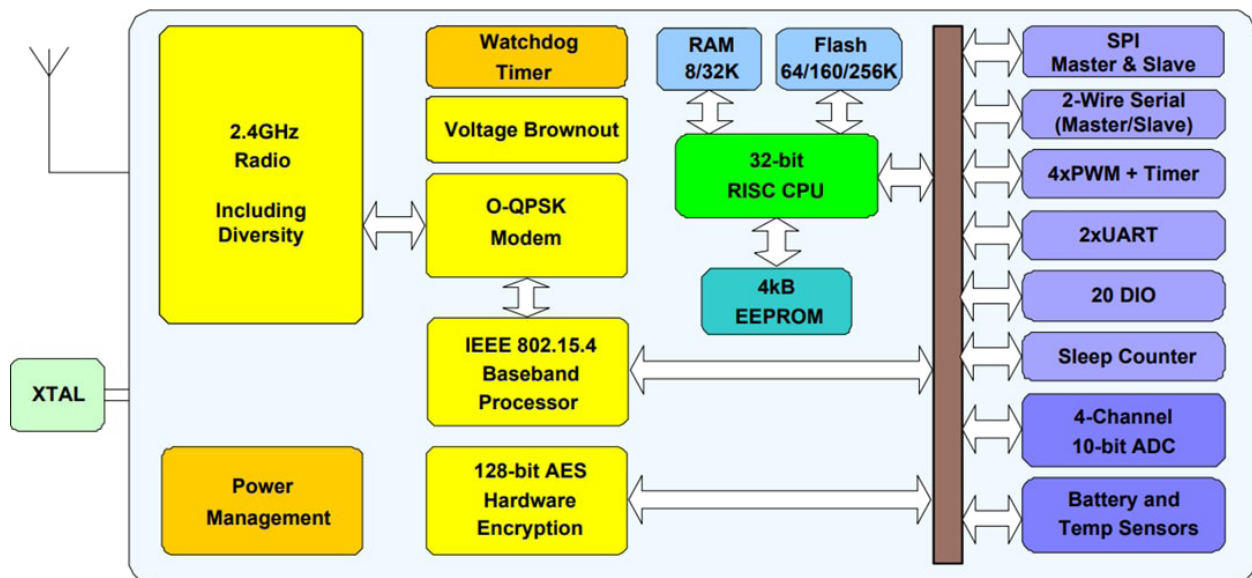
JN5169XK020:

- ZigBee color light
- ZigBee dimmable light
- ZigBee color dimmable light
- ZigBee extended color light
- ZigBee color temperature light
- ZigBee on/off ballast
- ZigBee dimmable ballast
- ZigBee light sensor or light level sensor

JN5169XK010:

- ZigBee on/off switch
- ZigBee dimmer switch
- ZigBee occupancy sensor (simulated)
- ZigBee on/off sensor (simulated)

## Mouser Part Number(s)



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[View All Parts](#)

To learn more, visit <https://www.mouser.com/new/nxp-semiconductors/nxp-jn5169-expansion-kit/>