JN5169

ZigBee Expansion Kits

Product Overview
06-17-2021
For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

NXP JN5169 ZigBee® Expansion Kits contain the components and these components form a ZigBee network node based on the NXP JN5169 wireless microcontroller.
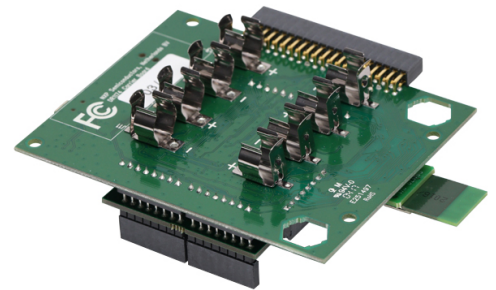
The JN5169XK010 expansion kit is used to create a node that provides switch, level control, and LED functionality. The JN5169XK020 Expansion Kit is used to create a node providing lighting and sensor functionality.
They can participate in a ZigBee wireless network, that can be created using all the components 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® I²C 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® I²C antenna board (not included) to the carrier board
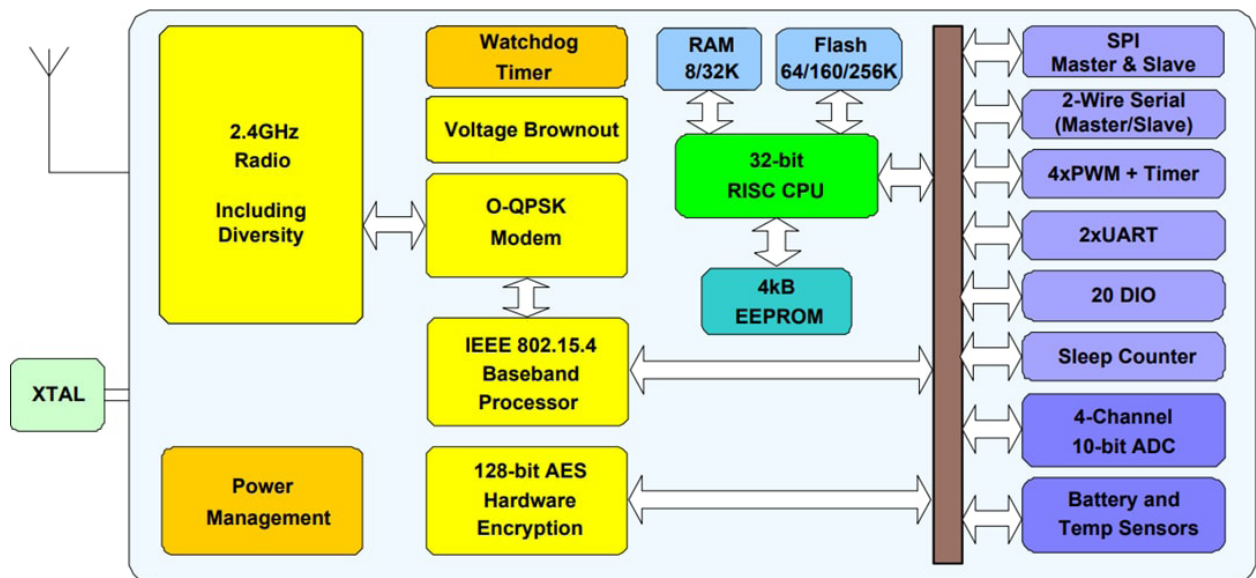- USB cable for connecting the node to a PC

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/