



STEVAL-IFS013V1

ZigBee® USB dongle demonstration kit based on the STM32 and SPZB260

Data brief

Features

- Demonstrates the SPZB260 low power consumption ZigBee® module
- Provides a platform for evaluation of PC-based ZigBee® node for rapid start of ZigBee® technology
- Compatible with all other ZigBee® demonstration kits
- Provides full control of the dongle through a PC USB interface
- Operates under USB communication device class (CDC)
- Provides a JTAG interface for microcontroller firmware change/update

Description

The purpose of the STEVAL-IFS013V1 demonstration kit is to provide a tool for evaluating the key features of STMicroelectronics' ZigBee®-compliant wireless networking solutions.

ZigBee® is the leading wireless control and sensory network solution and stands apart from other RF solutions as the only standards-based technology that addresses the unique needs of remote monitoring and control of sensory network applications.

ZigBee® enables broad-based deployment of wireless mesh networks with low-cost, low-power solutions and, for typical monitoring applications, is capable of running for years on inexpensive primary batteries.

The STEVAL-IFS013V1 dongle provides a USB interface which operates either under USB communication device class (CDC) for virtual COM port connectivity, or under device firmware upgrade (DFU) class for reprogramming an application through USB.

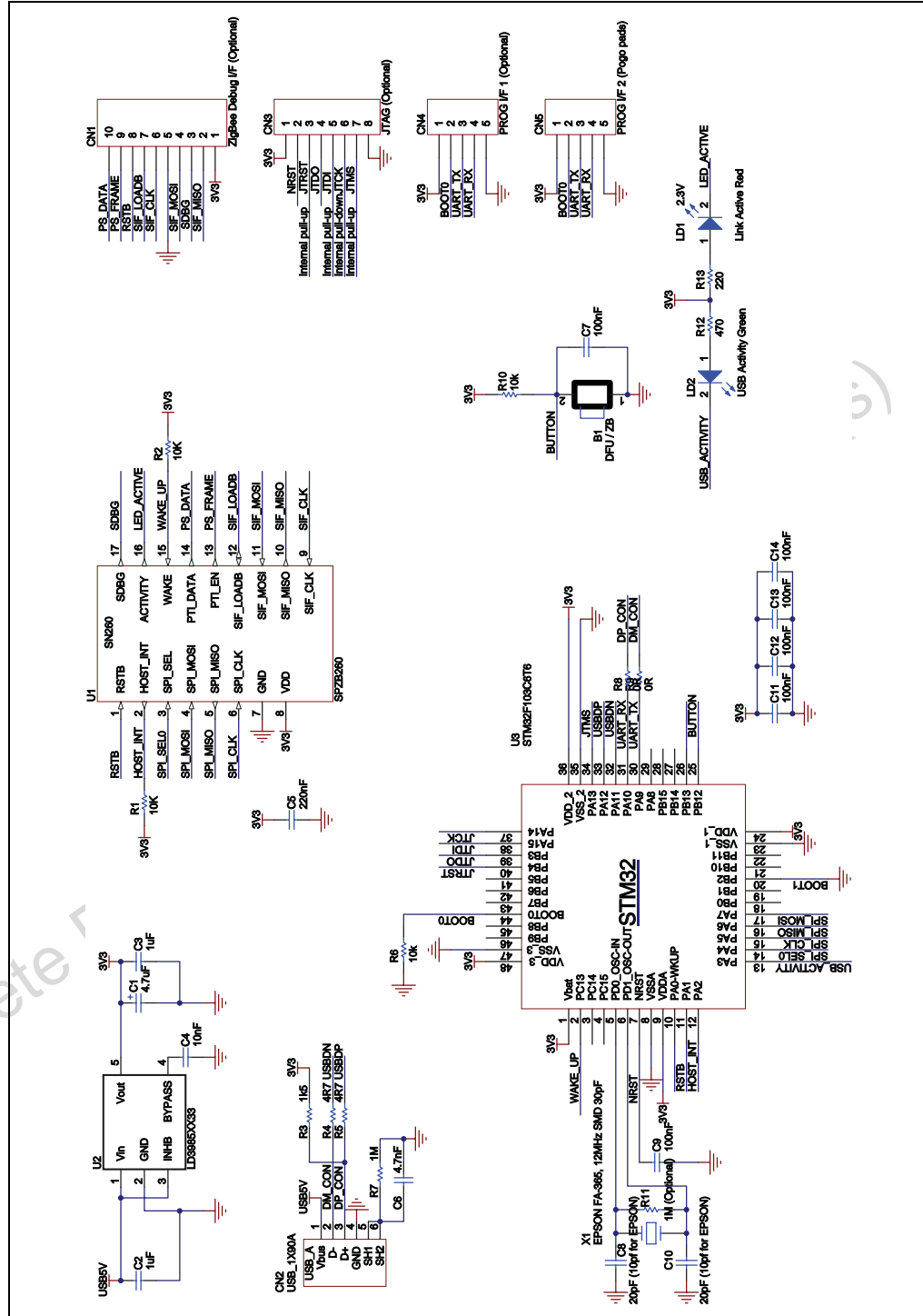


All design source data is included in the demonstration kit, ready to be used in development.

Target applications for this solution include: ZigBee® network analysis and control via PC, universal PC-based ZigBee® "sink" node, and evaluation of low cost PC-based nodes for rapid start of ZigBee® technology.

1 Schematic diagram

Figure 1. STEVAL-IFS013V1 schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
03-Apr-2009	1	Initial release.

Obsolete Product(s) - Obsolete Product(s)

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