



STEVAL-IFS013V2

USB to ZigBee® dongle based on the STM32 and SPZB260-PRO

Data brief

Features

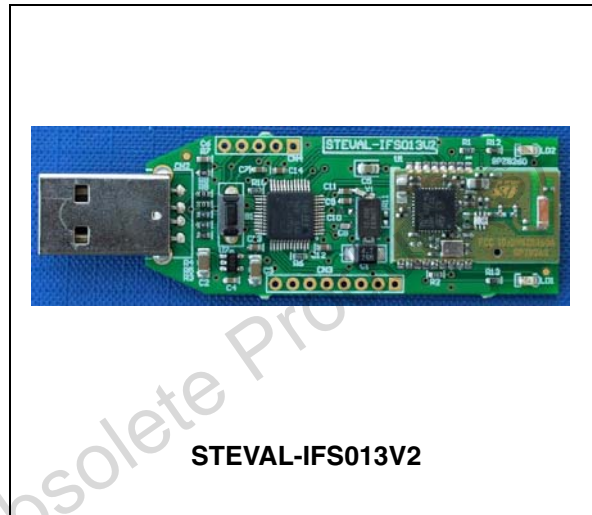
- SPZB260-PRO low power consumption ZigBee® module
- PC-based ZigBee® node for rapid start of ZigBee® technology evaluation
- Application compatibility with all other ZigBee® demonstration kits
- Control of the demonstration board possible through PC USB interface
- USB communication device class (CDC)
- JTAG interface for microcontroller firmware change/update
- RoHS compliant

Description

The purpose of this demonstration board is to provide a demonstration platform for the key features of STMicroelectronics ZigBee®-compliant wireless networking solutions. ZigBee®, the leading wireless control and sensory network solution, 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, and enables broad-based deployment of wireless mesh networks with low-cost, low-power solutions.

It is capable of operating for years on inexpensive primary batteries for a typical monitoring application.

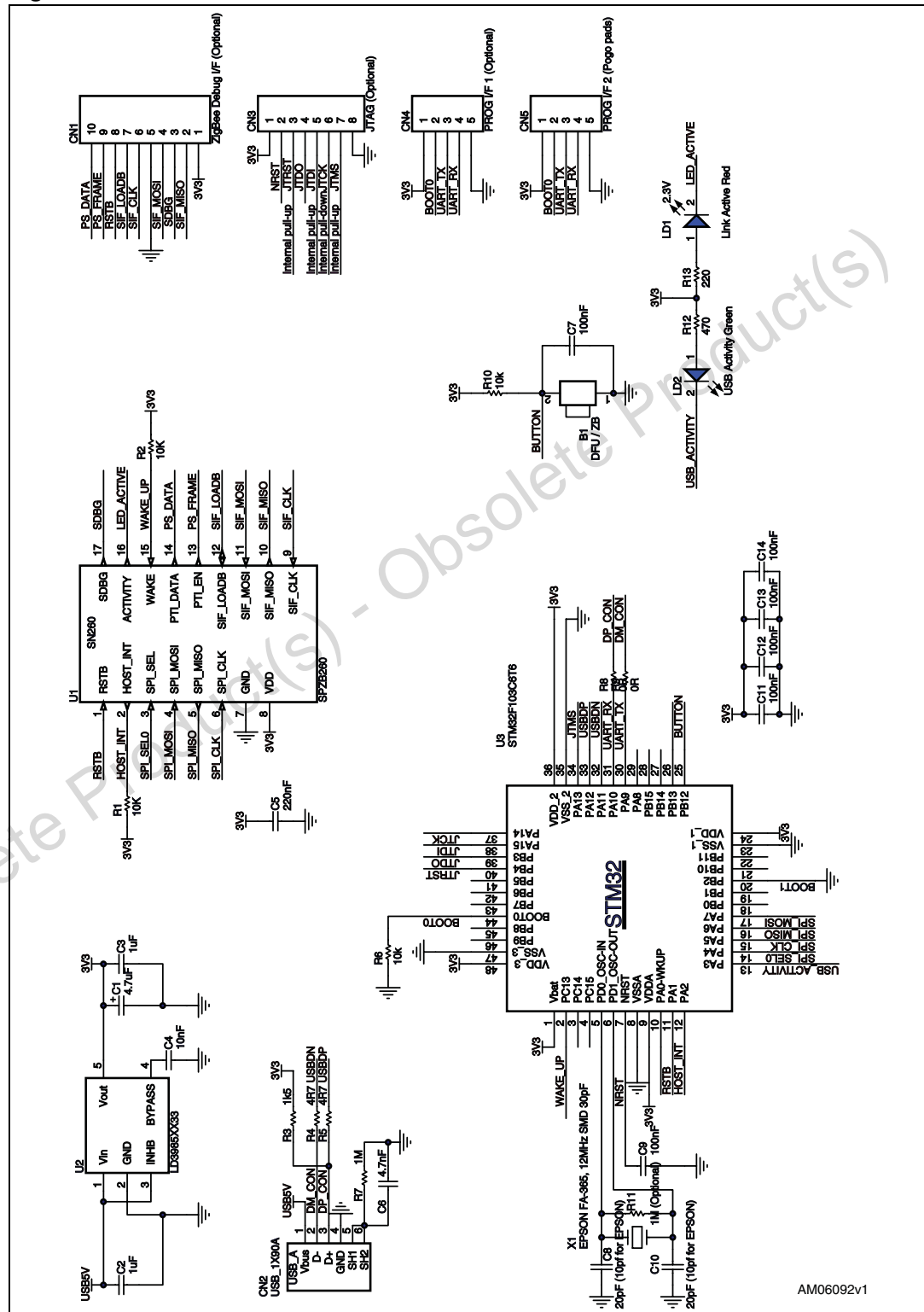
The STEVAL-IFS013V2 demonstration board offers USB interfacing operating either under USB communication device class (CDC) for virtual COM port connectivity, or under device firmware upgrade (DFU) class for reprogramming applications through USB.



Target applications include: ZigBee® network analysis and control through PC, universal PC-based ZigBee® “sink” node, and low cost PC-based node for rapid start of ZigBee® technology evaluation.

Figure 1. STEVAL-IFS013V2 circuit schematic

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2 Revision history

Table 1. Document revision history

| Date | Revision | Changes |
|-------------|----------|------------------|
| 05-Mar-2010 | 1 | Initial release. |

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