



# 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.

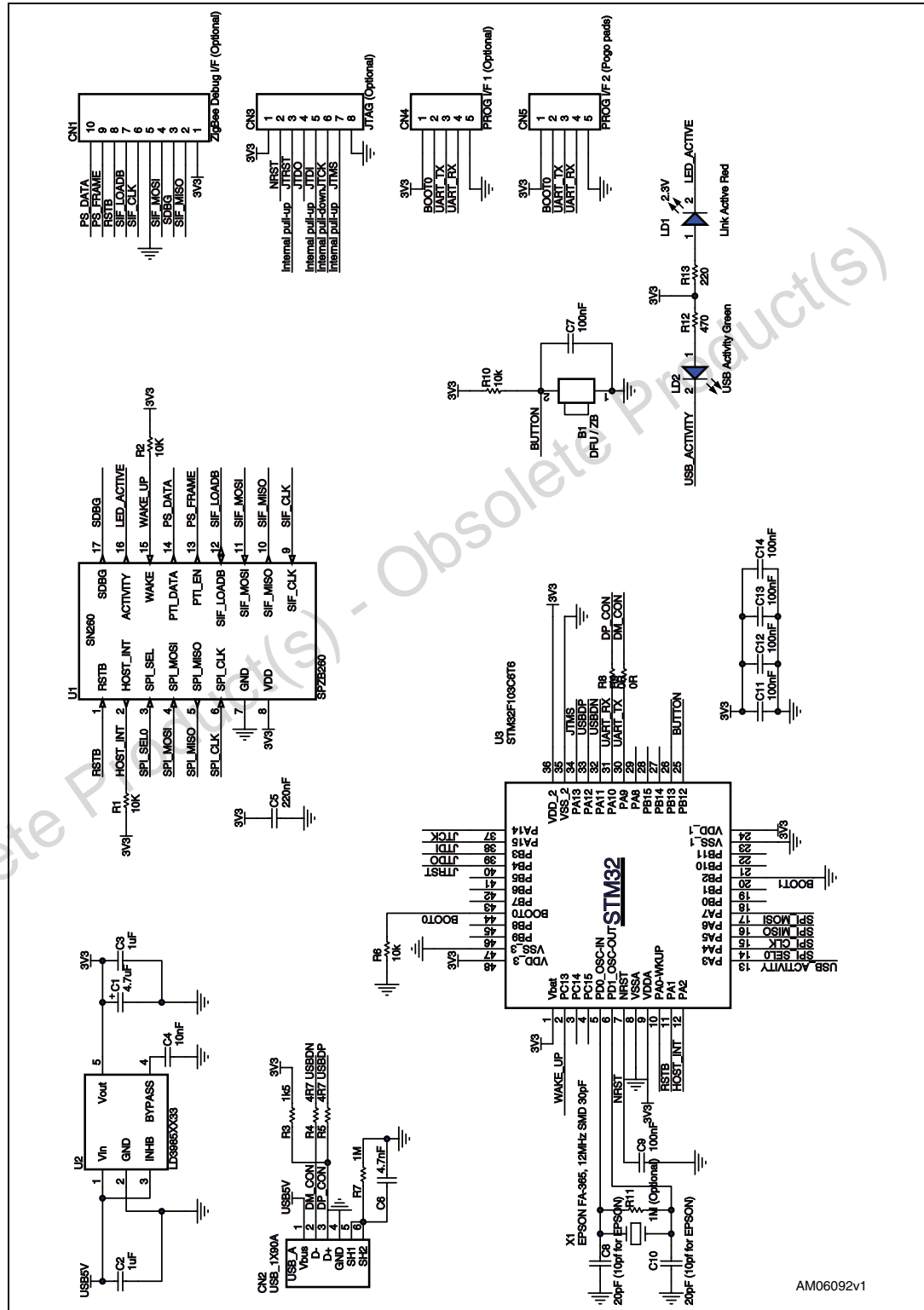
The STEVAL-IFS013V2 demonstration board offers USB interfacing operating either under USB communication device class (CDC) for virtual COM port connectivity, or under device firmware upgrade (DFU) class for reprogramming applications through USB.



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.

# 1 Schematic diagram

Figure 1. STEVAL-IFS013V2 circuit schematic



## 2 Revision history

Table 1. Document revision history

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

Obsolete Product(s) - Obsolete Product(s)

**Please Read Carefully:**

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST's terms and conditions of sale.

Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

**UNLESS OTHERWISE SET FORTH IN ST'S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND/OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.**

**UNLESS EXPRESSLY APPROVED IN WRITING BY AN AUTHORIZED ST REPRESENTATIVE, ST PRODUCTS ARE NOT RECOMMENDED, AUTHORIZED OR WARRANTED FOR USE IN MILITARY, AIR CRAFT, SPACE, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS, NOR IN PRODUCTS OR SYSTEMS WHERE FAILURE OR MALFUNCTION MAY RESULT IN PERSONAL INJURY, DEATH, OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. ST PRODUCTS WHICH ARE NOT SPECIFIED AS "AUTOMOTIVE GRADE" MAY ONLY BE USED IN AUTOMOTIVE APPLICATIONS AT USER'S OWN RISK.**

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

ST and the ST logo are trademarks or registered trademarks of ST in various countries.

Information in this document supersedes and replaces all information previously supplied.

The ST logo is a registered trademark of STMicroelectronics. All other names are the property of their respective owners.

© 2010 STMicroelectronics - All rights reserved

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

[www.st.com](http://www.st.com)