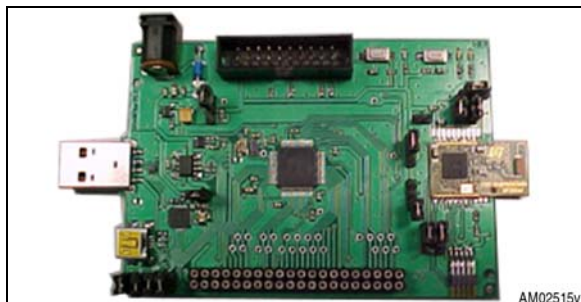


Evaluation kit for the series of SPZB260-PRO ZigBee® modules

Features

- Evaluation kit for the series of the SPZB260-PRO Zigbee modules
- Shipped with the version 3.3.1 of the EmberZNet PRO™ protocol stack uploaded on the ZigBee module and with the “version” application loaded on the microprocessor.
- Integrated STM32F103RET6, with 512 KB Flash and 64 KB RAM
- Configurable HW support for application development
 - STLM75 digital temperature sensor
 - Voltage battery measure circuitry
 - Push button
 - Two LEDs
- Integrated connectors:
 - Insight port
 - JTAG connector
 - USB and Mini USB connectors
 - 40-pin double-row header for accessing the STM32 GPIO
- Reset push button
- Multiple supply options (USB, power jack, external batteries)
- Reset button
- Power indicator LED
- Selectable boot modes (Flash, RAM and through USART1 (USB/RS-232bridge))
- CD with user manual and a SW package integrating:
 - HAL libraries
 - EZSP driver
 - Sensor-sink application software



Description

STEVAL-SPZB260Vx is an evaluation kit of the SPZB260-PRO series of the ZigBee modules that enables you to test ZigBee protocol feature capabilities and to prototype a coordinator, a router or an end device for your target ZigBee application.

The main components integrated in the development board are a Zigbee radio communication module of the series SPZB260-PRO that is based on the EM260 network processor chipset and an STM32F103RET6 microprocessor.

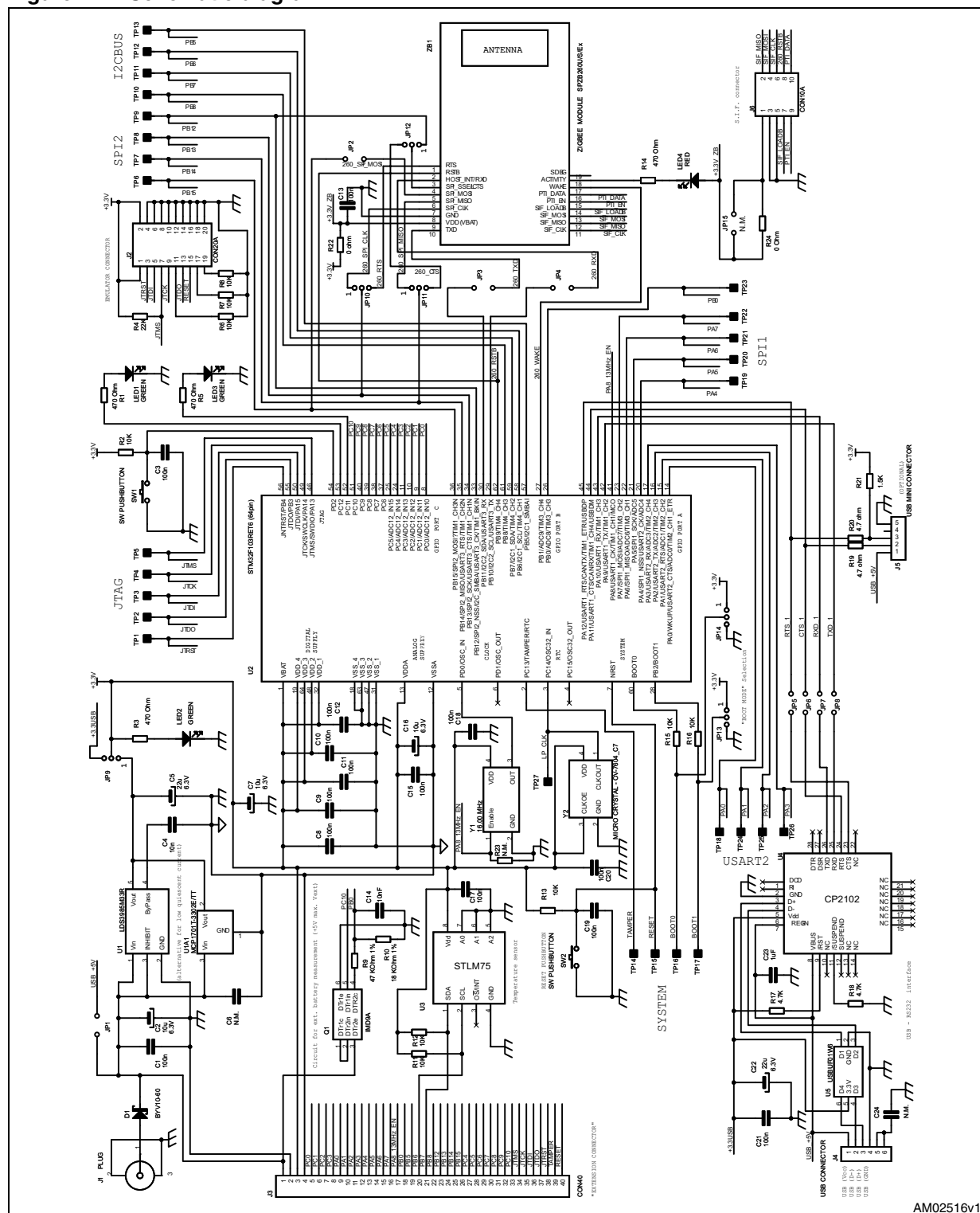
The SW in the evaluation kit includes the hardware abstraction layer and the microprocessor libraries, the Ember ZigBee serial protocol driver and a simple application implementing sensor and sink features for use in a typical remote monitoring scenario.

Table 1. Device summary

Order codes	Integrated module
STEVAL-SPZB260V1	SPZB260-PRO
STEVAL-SPZB260V2	SPZB260C-PRO
STEVAL-SPZB260V3	SPZB260PA-PRO
STEVAL-SPZB260V4	SPZB260PAC-PRO

Figure 1. Schematic diagram

Figure 1. Schematic diagram



1 Revision history

Table 2. Document revision history

Date	Revision	Changes
14-Jun-2010	1	Initial release.

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