



## **ZigBee RF MODULE OPERATIONAL DESCRIPTION**

SPZB260 is a ZigBee module optimized for embedded applications. It enables OEMs to easily add short-range radio link between electronic devices.

The module is based on SN260 ZigBee Network Processor which integrates a 2.4GHz, IEEE 802.15.4-compliant transceiver as well as IEEE 802.15.4 PHY and MAC.

A 24 MHz high stability Xtal is present on board to guarantee the required timing imposed by ZigBee specifications.

A single supply voltage is foreseen; an internal voltage regulator supply the different block of the system; the voltage supply

fixes also the I/O ports levels allowing an easy interface with the host system.

The module is controlled by means of a Standard serial Interface allowing the connections to a variety of Host microcontrollers.

## **APPLICATIONS**

- Industrial controls
- Sensor Networking
- Monitoring of remote systems
- Home applications
- Security systems
- Lighting controls

## **FEATURES**

- Integrated 2.4GHz ,IEEE 802,15,4-compliant transceiver
- Integrated IEEE 802.15.4 PHY and MAC
- Controlled by a Standard Serial Line for an easy interface of host microcontrollers
- Embedded flash and integrated RAM for program and data storage
- On board 24 MHz stable Xtal
- Integrated RC oscillator ( typ 10KHz) for low power operation
- 1 uA power consumption in Deep sleep mode
- Watchdog timer and power on reset
- Pins available for Non-intrusive debug interface (SIF)
- Single voltage supply
- Available Link and Activity outputs for external Indication / monitor